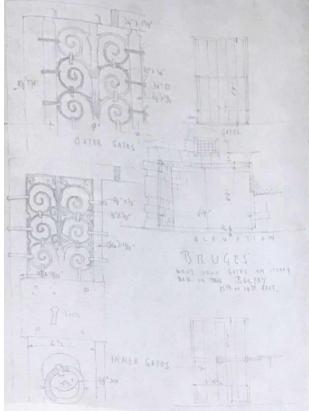


addis a Physican

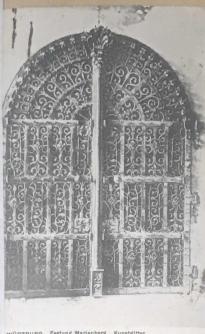




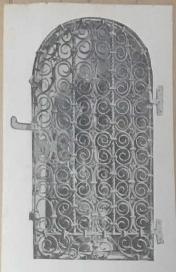


MEASURED DRAWINGS OF OLD BELGIAN IRONWORK

By Louis C. Rosenberg



WÜRZBURG. Festung Marienberg. Kunstgitter,



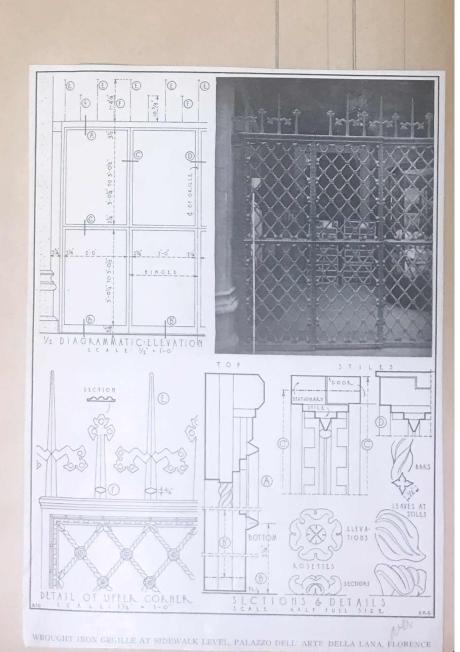
Above—An exceedingly ancient Spanish wroughtiron door attributed to the 13th Century. This is in the Romanesque style, a little heavier and more claborate than the 17th and 18th Centuries' work, but most beautiful in pattern and detail execution

fore it became a summer resort for all Navarre, they used to prepare our savoury stew over the open hearth in the center of the kitchen. The iron pot hung

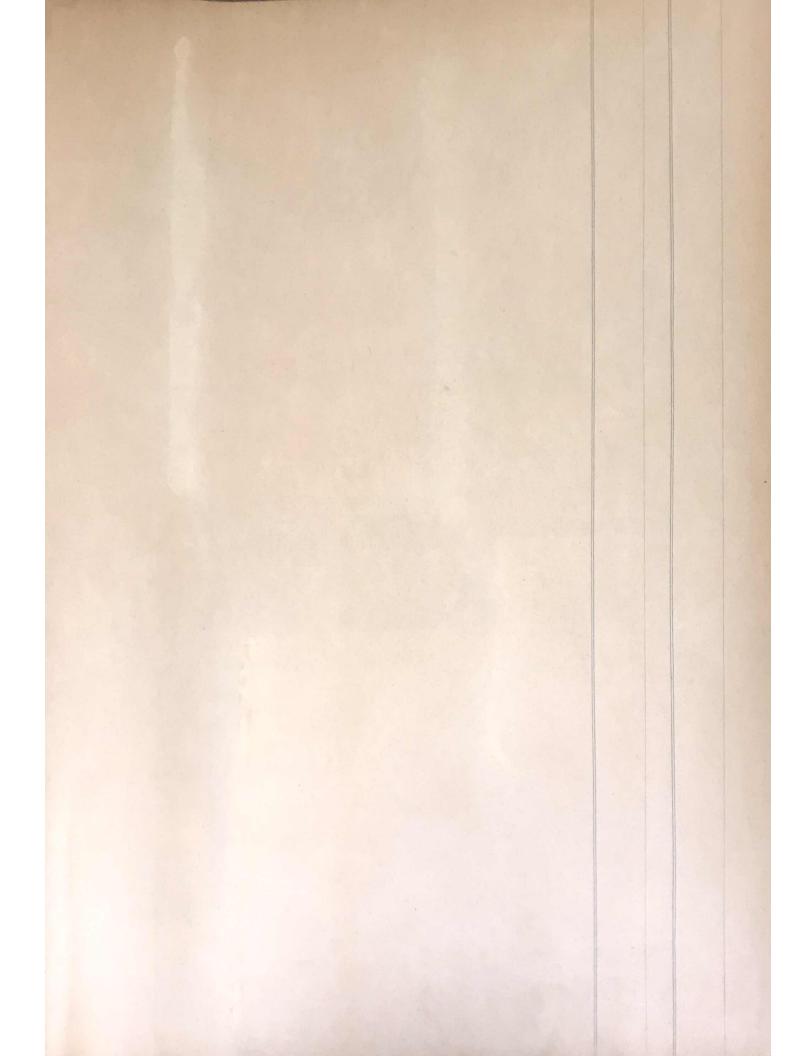


Catalogue No. 103







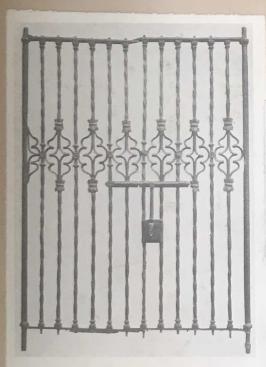


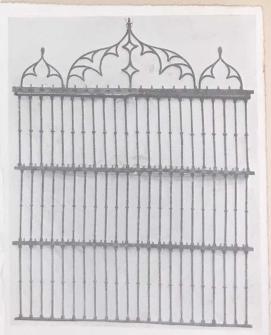


HE MADRID MUSEUM.



No. 969—Catalonian Wrought-iron Reja, or Gate and Wings (Early Fourteenth Century)





No. 308. PAIR WROUGHT IRON GATES





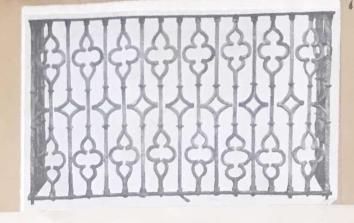


Lámina 53



VALENCIA — CASA LONJA DETALLE DE LA PORTALADA DEL SALON PRINCIPAL Y DE LA VERJA DE HIERRO FORJADO Arquitecto: PEDRO COMPTE

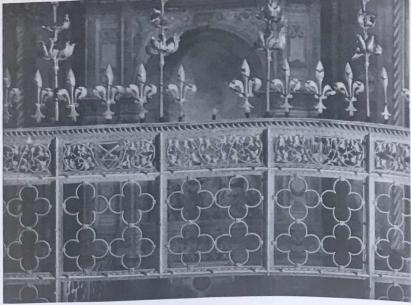


Photo by Alina

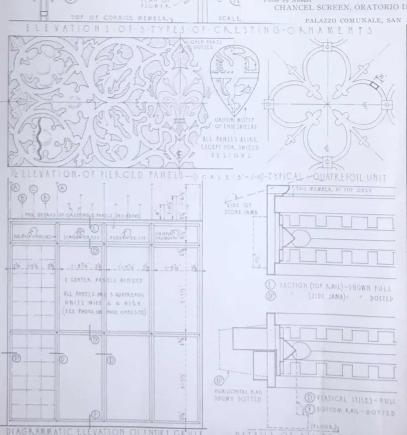
WROUGHT IRON CHANCEL SCREEN, ORVIETO CATHEDRAL



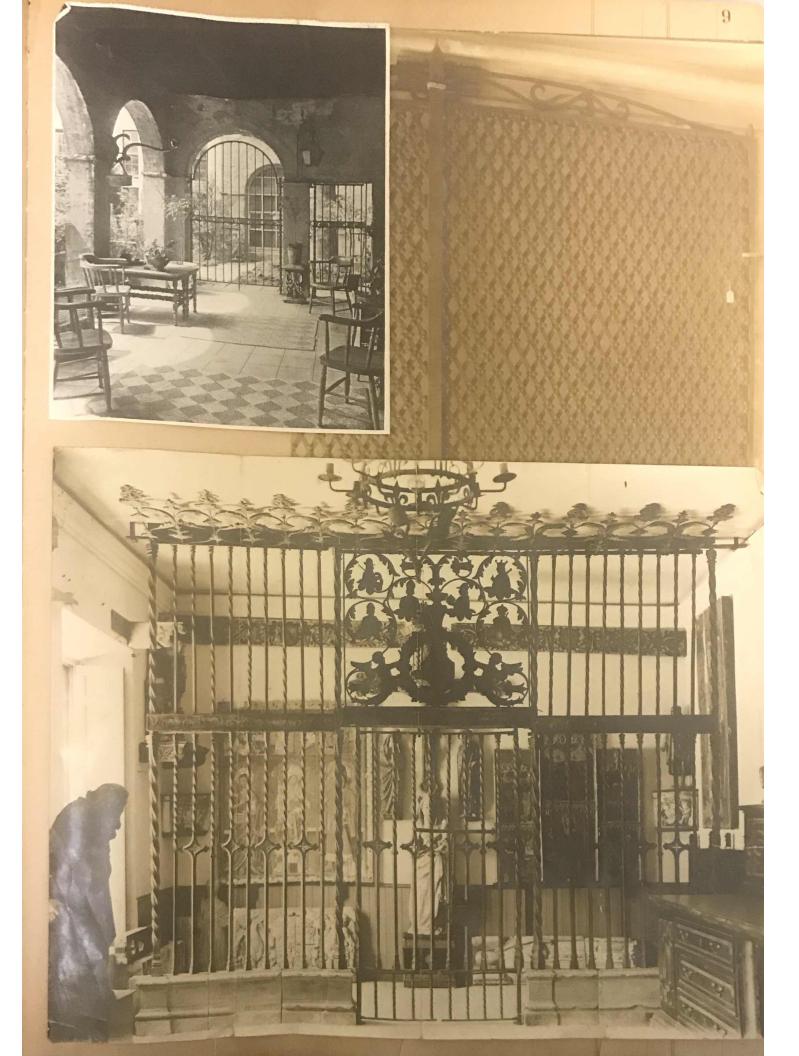
Photo by Alinari CHANCEL SCREEN, ORATORIO DEL LORETINO

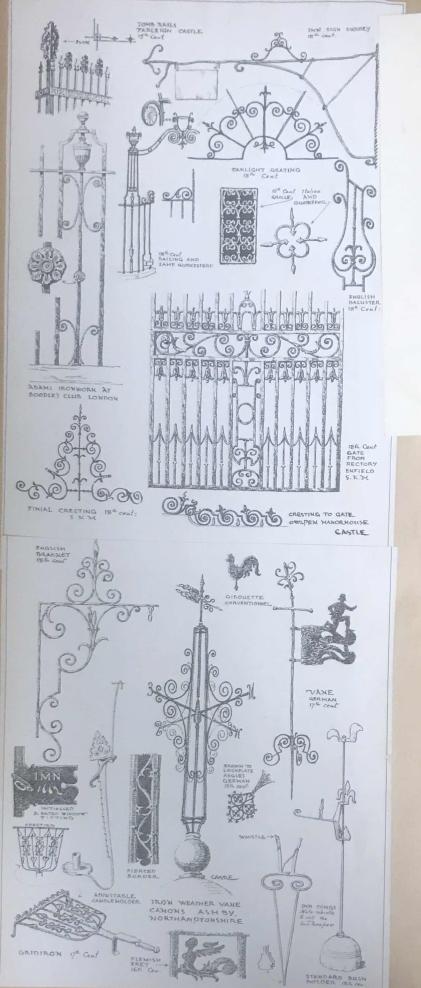
The interesting Gothic screen reproduced above, by Conte di Lello da Siena, 1337, is noteworthy for its delicate scale throughout cresting, repoussé panels and quatrefoil units. Not often are the vertical stiles so prominently marked or the fleur-de-lis given the interest in a third dimension by a spike application as here. The pierced repoussé panels maintain a simple solidity and excellent "spotting" by means of the leaf forms, which might have been lost as in later and mediocre work where leaves are subdivided and so small in scale that the eye fails to grasp any sense of rhythm in the composition. Note the unusual cornice ornamentation.

At the left is another grille by Lello da Siena—a simple motif for cresting, running frieze and quatrefoil which might not be so easy to reproduce unless the relations of the various ingredients were thoughtfully considered. The lightness of the cresting spikes and quatrefoil are complemented by the bulk of the solids in the frieze—a clever bit of design in combining the curved movement of the quatrefoil with the angular bristling of the spikes.



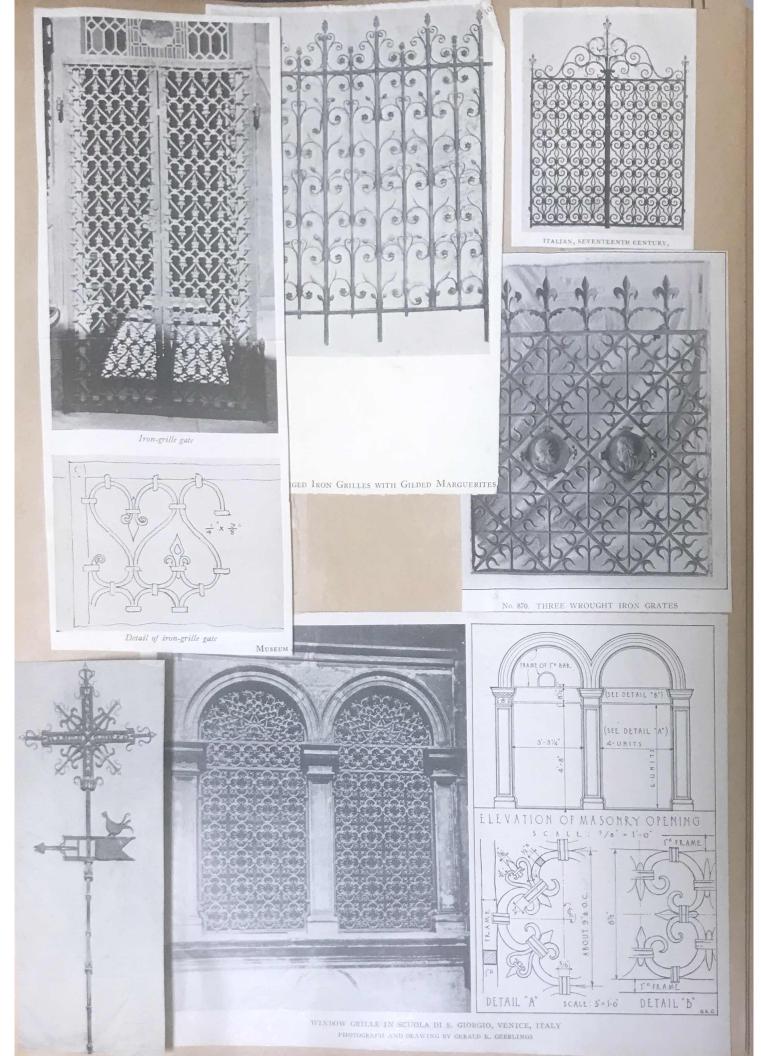
WROUGHT IRON GRILLE IN FRONT OF 14TH CENTURY SHRINE TO SANTA MARIA DELLA TROMBA EXTERIOR OF PALAZZO DELL' ARTE DELLA LANA, FLORENCE



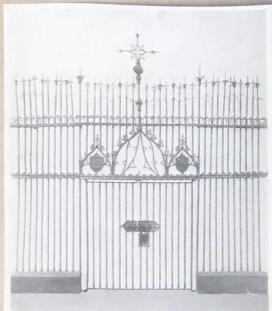




No. 184—FLORENTINE WROUGHT-IRON FOUR-POST BED OF THE SIXTEENTH CENTURY







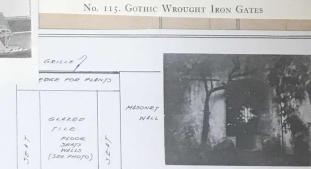
GOTHIC FORGED IRON GATE IN THE RUIZ COLLECTION

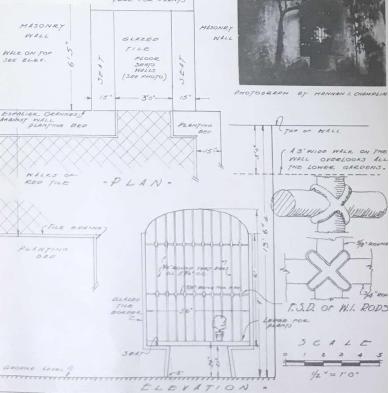


RONDA'S BRIDGE AS A PEEP-HOLE To stand here is to look upon the swelling beauty of Andalusia



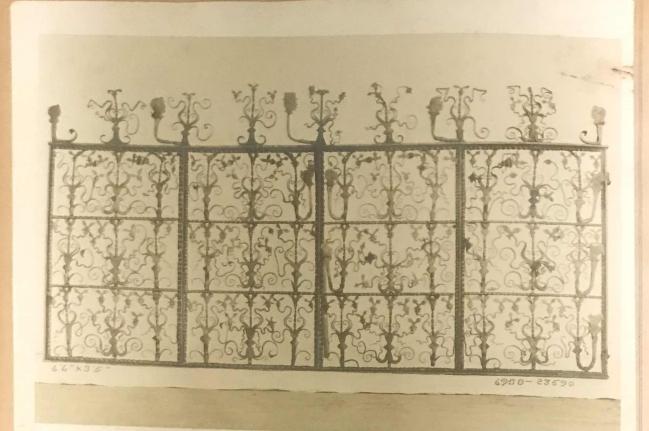
TON MACKENZIE



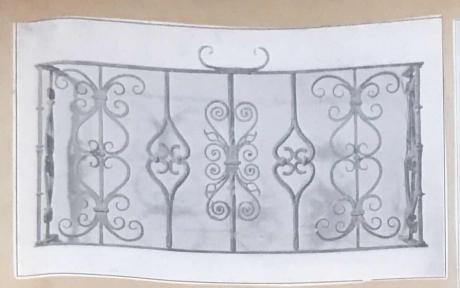


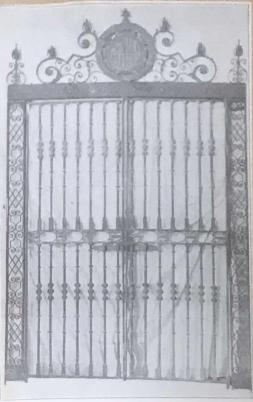
DETAILS OF A GARDEN NICHE IN THE ALCAZAL SEVILLE-SPAIN MEASURED & DRAWN BY CAROL H. LAWRENCE LANDSCAPE ARCHI. CLEVELAN.

MEASURED DRAWING BY CAROL H. LAWRENCE

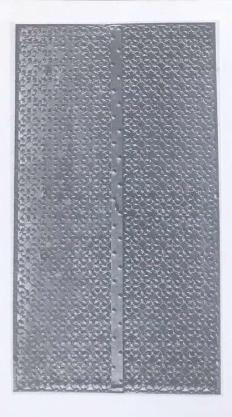








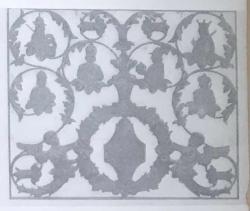
No. 906. LARGE WROUGHT IRON GRATE SPANISH, 16TH CENTURY



No. 1234. PAIR IMPORTANT GOTHIC WROUGHT IRON GATES

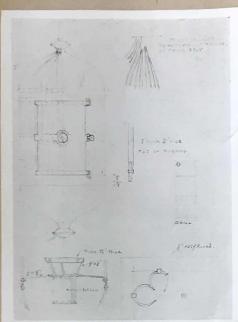


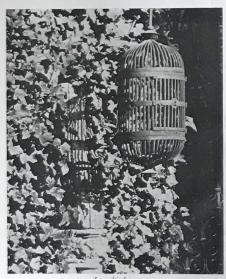
No. 908. WROUGHT IRON GRATE, SPANISH, 16th CENTURY



SHOWING DETAIL OF CENTRAL PANEL







Iron bird-cage

AT LE MANS

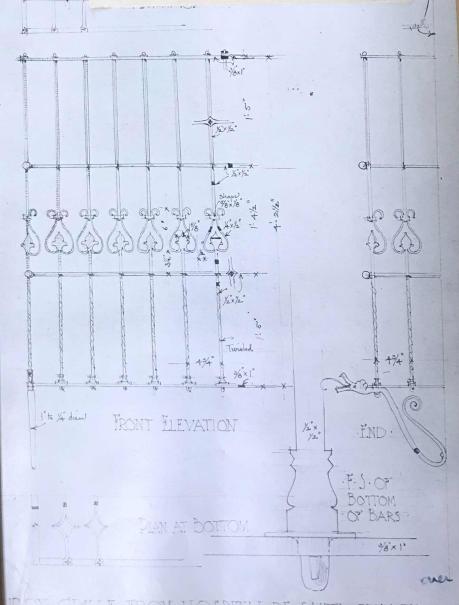


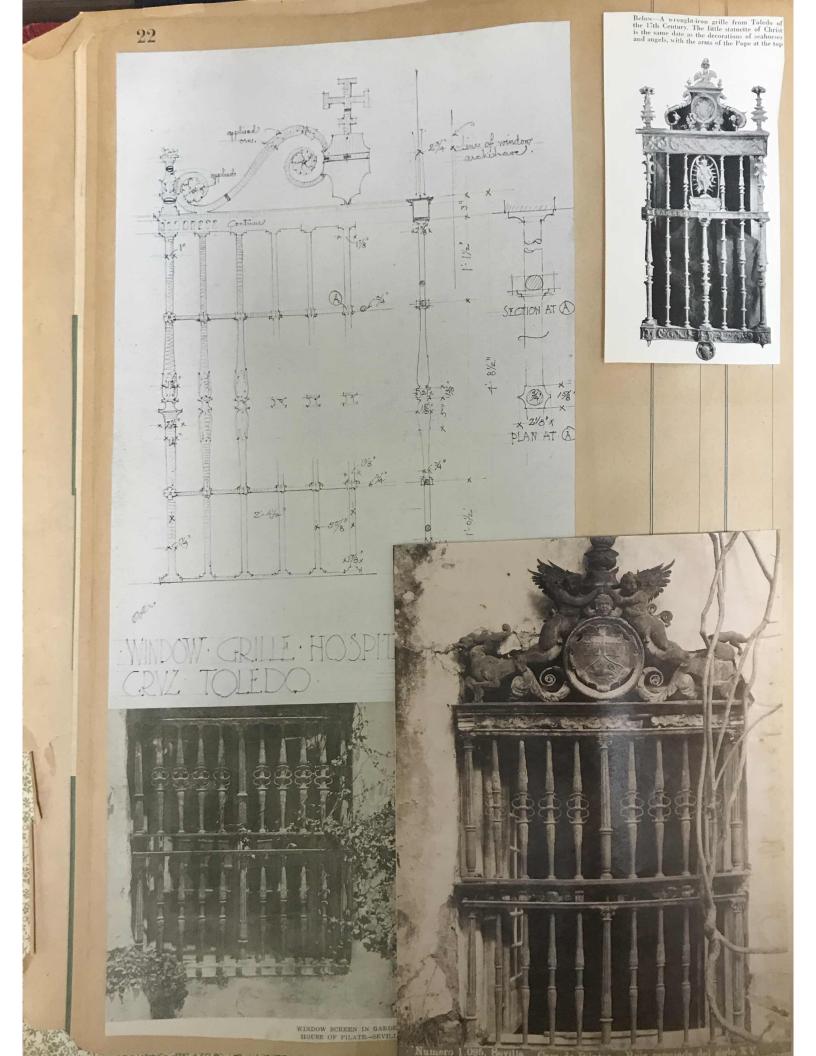


Puerta en las murallas de la ciudad, denominada El Arquillo



IRON FIRE BACK OF THE XVI CENTURY, WITH DUCAL CROWN AND ESCUTCHEON. CHIMNEYS HAVING BEEN RARELY BUILT IN SPANISH PALACES, THIS IS A SPECIALLY REMARKABLE PIECE. AUTHORS' COLLECTION







Measured and Drawn by PAUL HERMANN



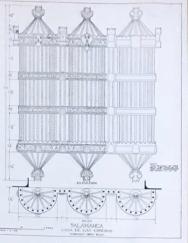
Triple Grille on the "Shell" House.

Triple Grille on the "Shell" House.

ditions lingered with the blacksmiths long after the architects had abandoned them for the "Italian taste" which took root in Spain at a time when her wealth was unbounded and developed into a distinctively Spanish expression, known as Plateresque. Ironwork being closely connected with and fostered by architecture followed, but far more slowly, the same changes of style. At the zenith of the Plateresque, Spain saw an efflorescence of the stubborn and intrinsically low-valued metal into objects of surpassing magnificence, especially in ecclesiastical work. The men who made these objects were mostly not only smiths, but also architects, sculptors or silversmiths, who had learned to draw and who were versed in the study of the antique.

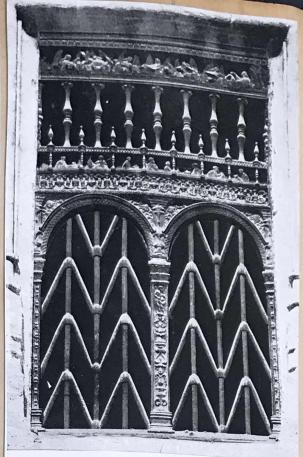
and who were verseu in the carry antique.

A few of their names have come down to us in connection with the grilles of the great cathedrals. That around the



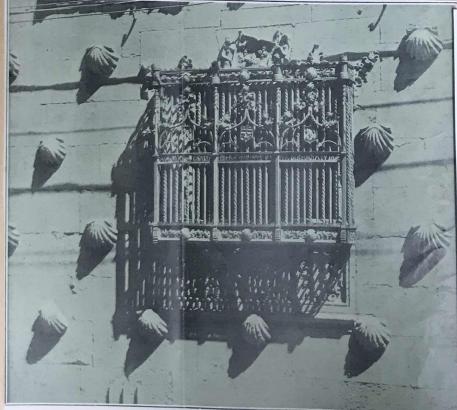
DETAIL OF A REJA From "Architectural Details of Northern and Central Spain,"





Renacimiento, Siglo XVI

CATEDRAL DE SEVILLA.—REJA DE HIERRO FORJADO Y REPUJADO EXISTENTE, COLOCADA EN LA VENTANA DEL ALTAR MAYOR, AL LADO DE LA EPISTOLA



WH 3:30:25

PEN AND INK SKETCH BY ISIDOR RICHMOND, THE ROTCH, 1923-25

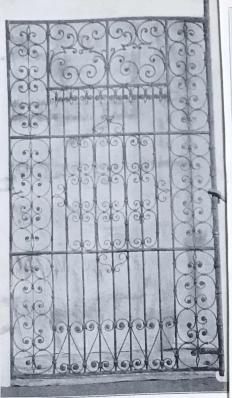
Salamanca. Casa de las Conchas. Doble reja de una ventana

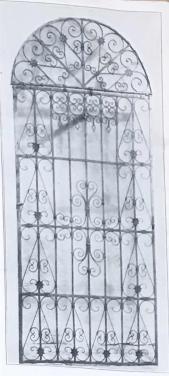






724. WROUGHT IRON GATE WITH DOOR, SPANISH, 17 TH CEN No. 339. WROUGHT IRON GATE, SPANISH, 17TH CENTURY





No. 663. WROUGHT IRON GATE SPANISH, 17th CENTURY



RENAISSANCE DOUBLE IRON DOOR [NUMBER 1240]



No. 114. WROUGHT IRON GATEWAY

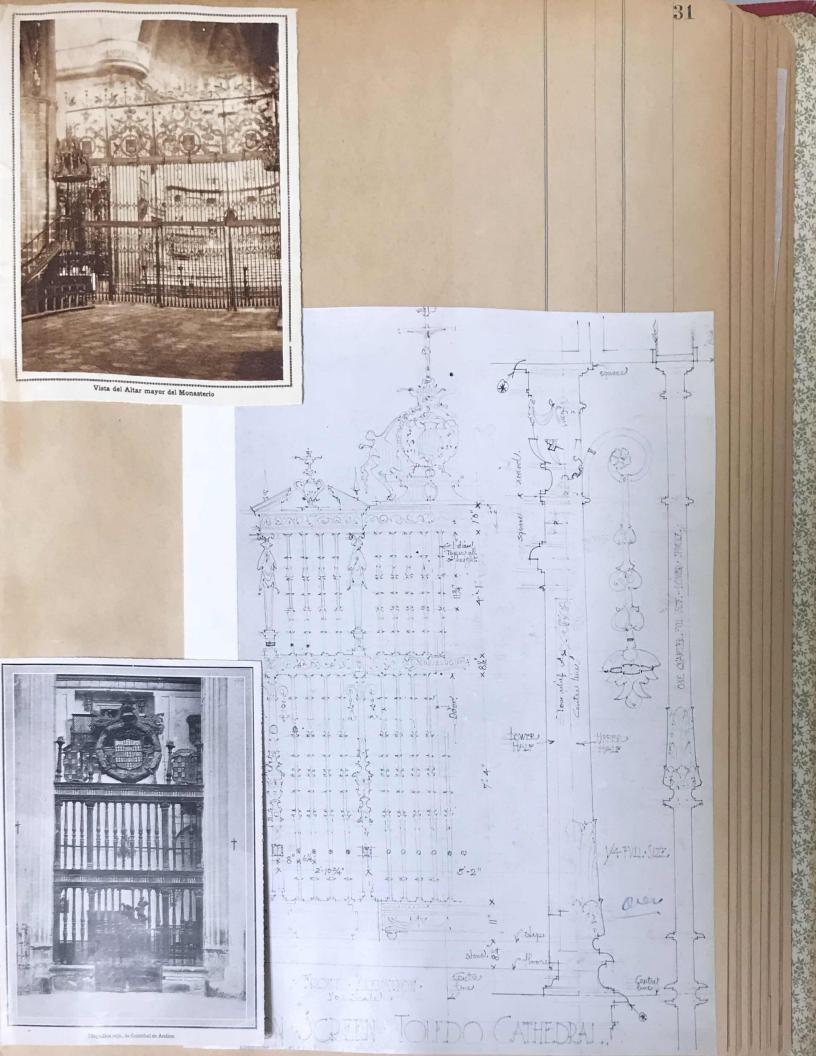




CORDOUE - Grille dans une maison particulière



A GATE IN WHICH WROUGHT IRON IS USED WITH AN EXQUISITE FEELING FOR BEAUTY OF DETAIL THAT BELONGS TO TRUE CRAFTSMANSHIP,



ARCHITECTVRE

THE PROFESSIONAL ARCHITECTURAL MONTHLY

VOL. XXXII

OCTOBER, 1915

No. 4

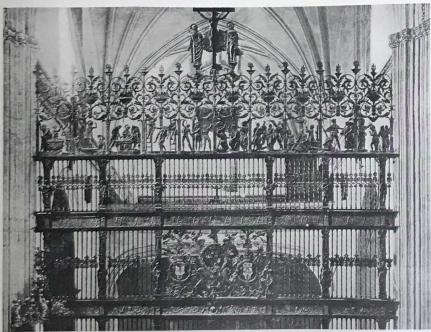


PLATE L. DETAIL OF THE REJA OF THE ROYAL CHAPEL (1523) GRANADA CATHEDRAL

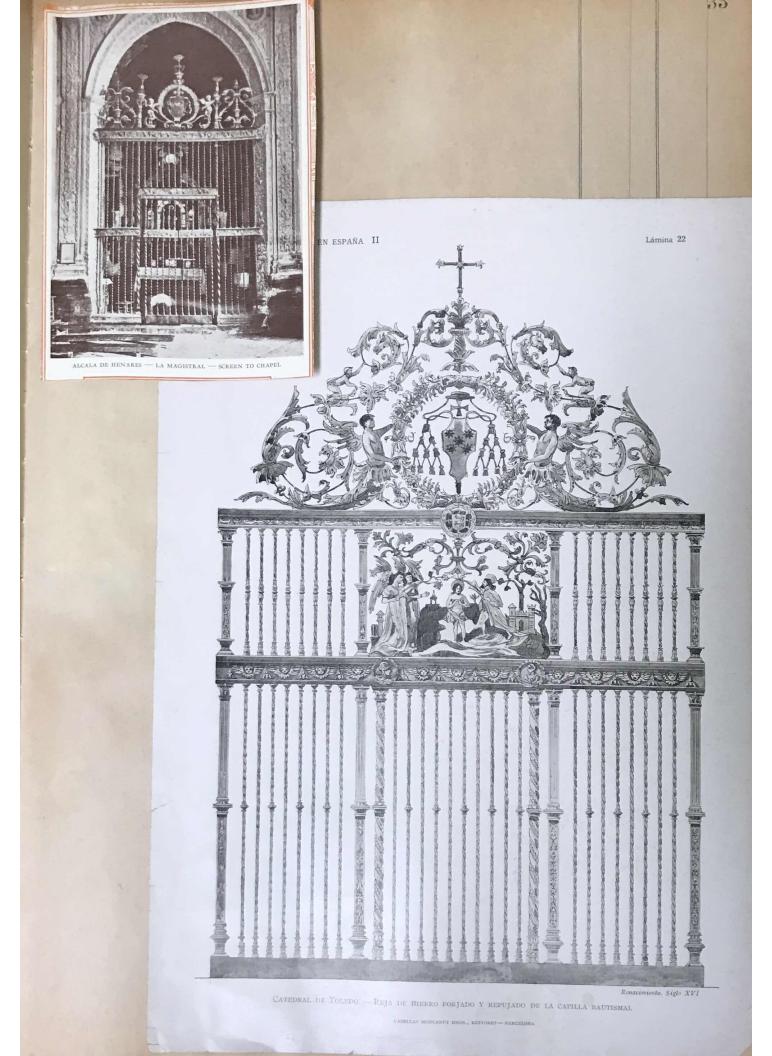
ne

IV. Rejeria of the Spanish Renaissance

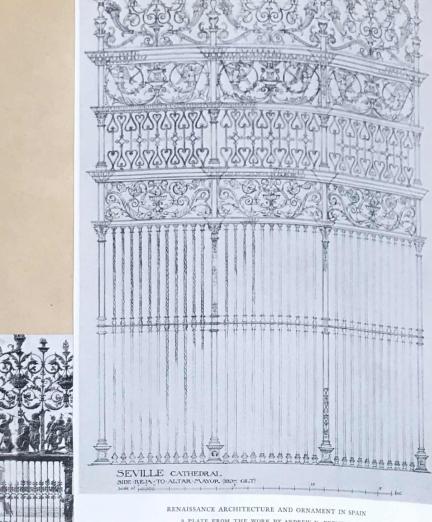
The Granada and the Sevilla Cathedrals

W ITH the use of spindles "in ranks and rows, literally in thousands," the attenuated pilaster emerged from its previous inconspicuousness and took on the imposing massiveness illustrated in the detail from Granada (Plate II). Though only a simulated massiveness (for the huge pilaster was in reality a stout wooden beam covered with iron plates), its proportions emphasized the general architectural character of the whole. The embossing of its

metal sheath shows how, if the artisan were not actually a silversmith, he was at least far more conversant with the art of working silver than with the vanishing methods of early blacksmithing. This is again apparent in the introduction of many finely modeled medallion portraits in repoussé, and even large compositions by the same process, as in Plate III, from Seville. It was the versatility, too, of the man trained in many crafts that brought heraldic



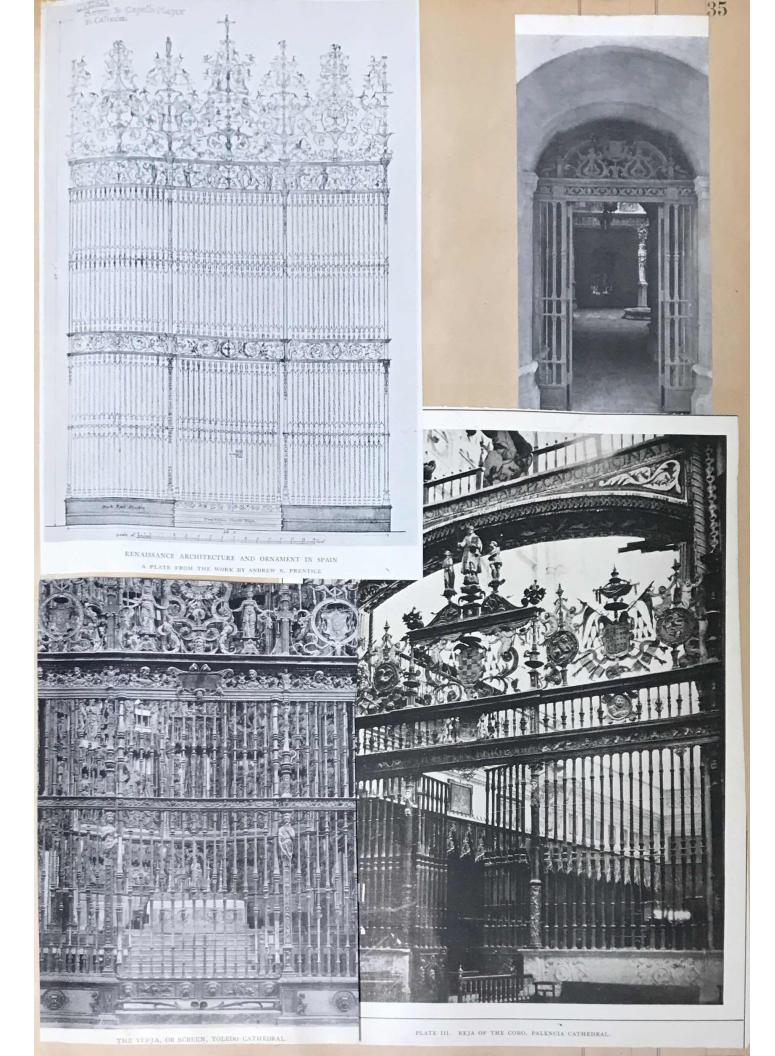


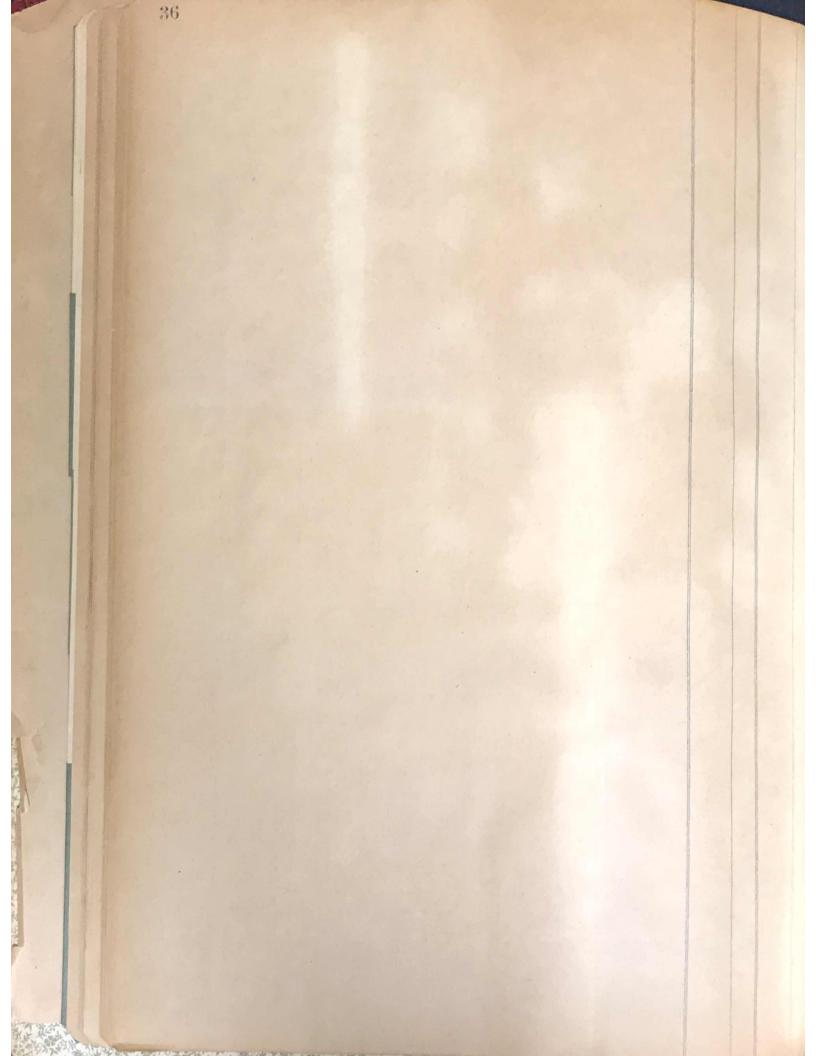


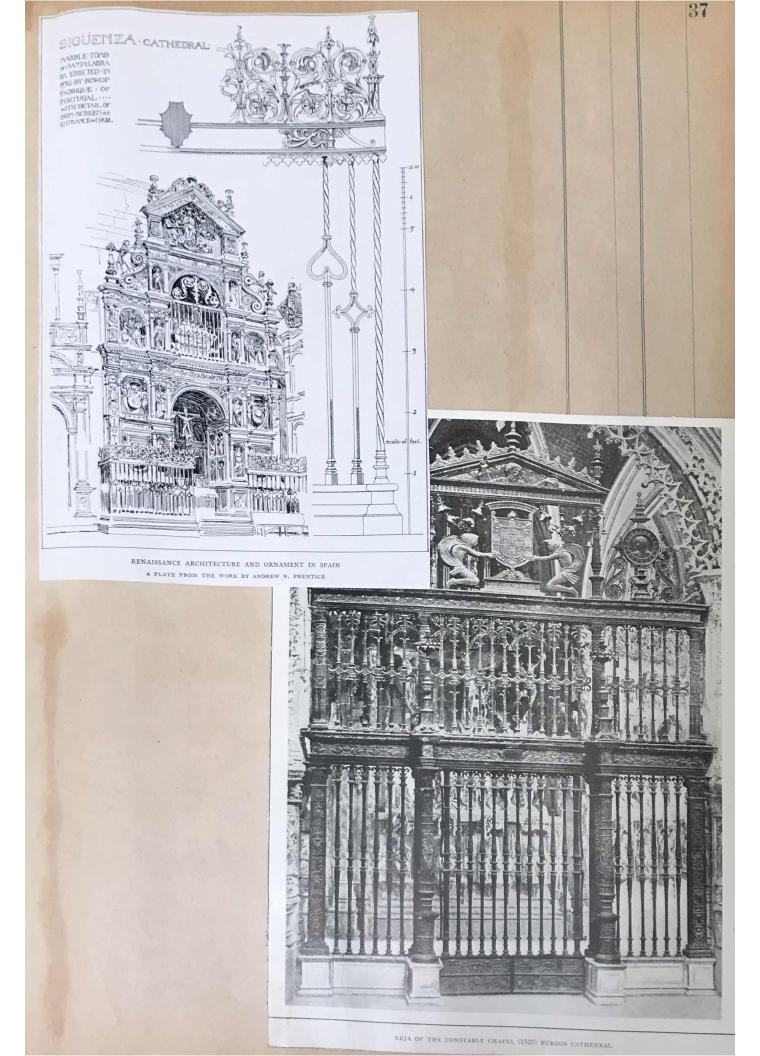
ATE FROM THE WORK BY ANDREW N. PRENTICE



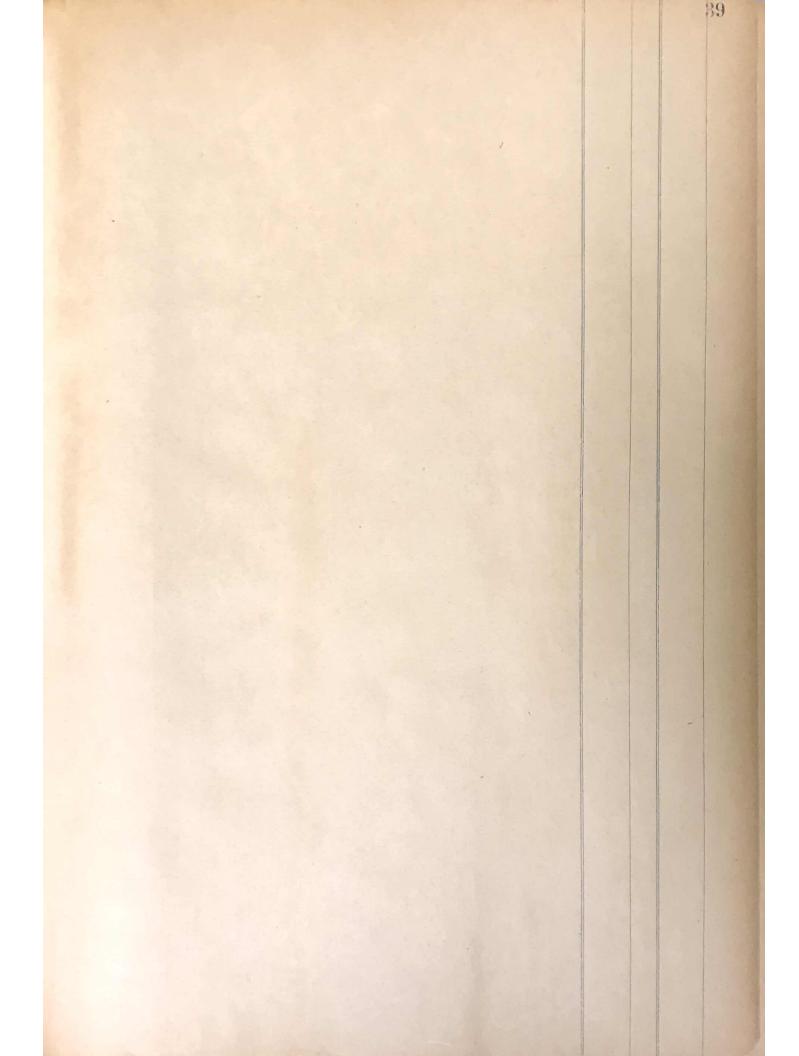
Sepulcros de los Reyes Católicos y de la Reina Doña Juana y el Archiduque don Felipe, en la Capilla Real, y primorosa verja de ésta, obra del maestro Bartolomé, de Jaén, según modelos de Juan Zagala y Juan de Cuvillana. El primer cuerpo de la verja lo forman pilastros corintios con friso plateresco; el segundo tiene el escudo de los Reyes, y el tercero escenas de la vida de Jesús





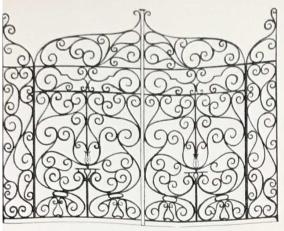








Many or our Designs are represent of Genuine Antiques

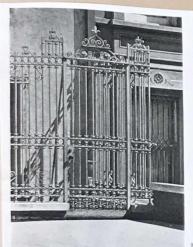


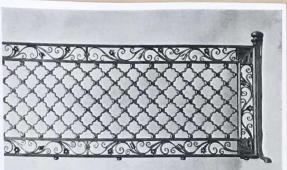
Design No. S 1503
5 Ft. Wide Without Stationary Sides 5 Ft. High
Stationary side pieces are 9 in wide, 5 ft. High

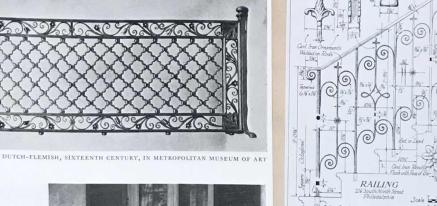


ENGLISH, EIGHTEENTH CENTURY, PENNSYLVANIA MUSEUM









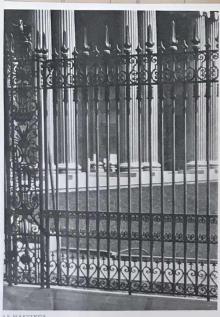




MOISE GOLDSTEIN







AN OLD PHILADELPHIA STAIR RAILING
From "Colonial Ironwork in Old Philadelphia,"



DELANO &



DELANO & ALDRICH







5 Ft. 4 in. Wide

6 Ft. 4 in, Hlg

FREDERICK J. STERNER



ENGLISH, EIGHTEENTH CENTURY. COURTESY OF PENNSYLVANIA MUSEUM

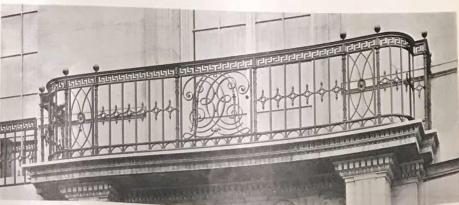


READ HOUSE, NEWCASTLE, DEL.





CRAM & FERGUSON

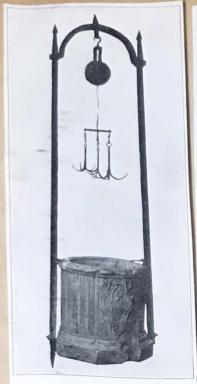


CARRÈRE & HASTINGS

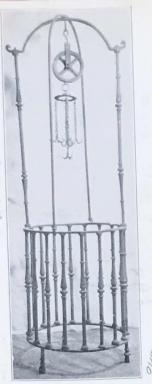


IRON GATEWAY, TRINITY COLLEGE,

Height, 37 inches; total width, 48 inches



No. 872. ORNAMENTAL TOP OF A WELL SPANISH, 16tm CENTURY



No. 706. ORNAMENTAL TOP OF A WELL SPANISH, 17th CENTURY



No. 867. WROUGHT IRON ORNAMENT OF A CHURCH SPANISH, 16th CENTURY

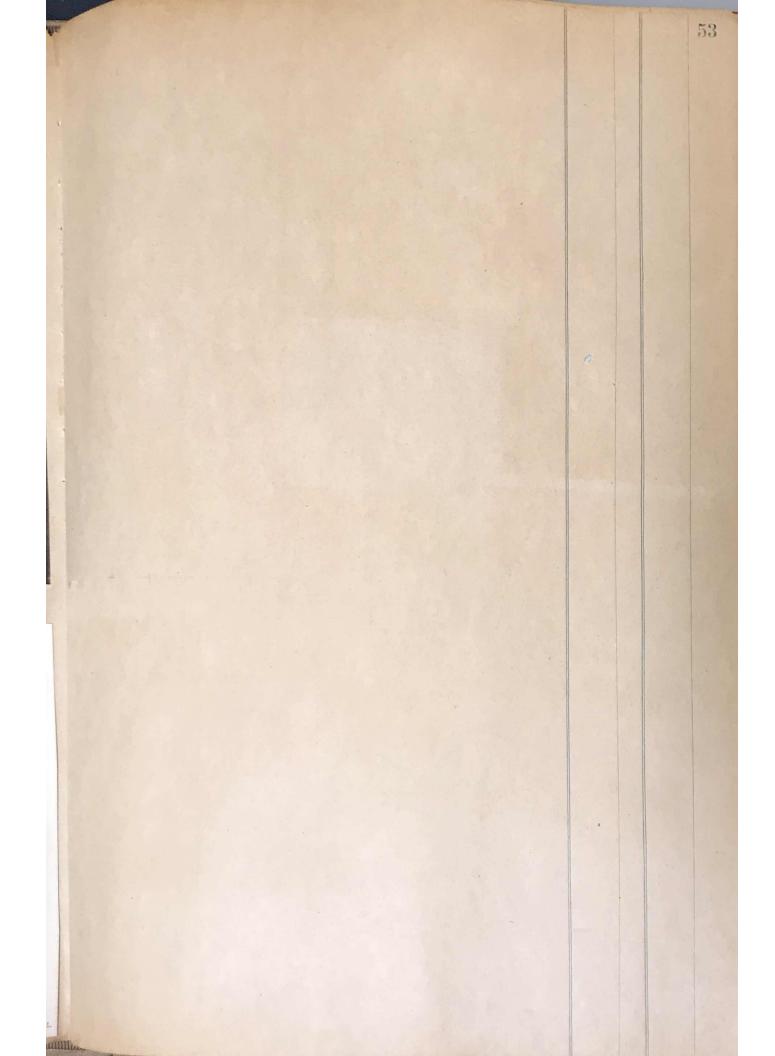


WELL CURB, S. GIOVANNI EVANGELISTA, PARMA



921—VENETIAN GOTHIC "FLOREALE" STONE AND WROUGHT-IRON WELL-HEAD OF THE FIFTEENTH CENTURY











TY CIRCULAR BRONZE MIRROR (Han)

ARGE SILVERY BRONZE CONVEX MIRROR (Wei)











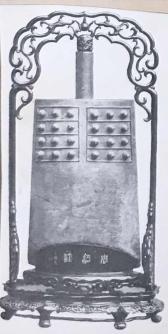






ENERABLE BRONZE RING-HANDLED DRAGON JAR WITH COVER (Han)









191-BRONZE BELL (Chou)









2-FLORENTINE COPPER DISH OF THE FIFTEENTH CENTURY Circular shape. Center repoussé with a circular medallion containing the figure of a running stag, surrounded by a star-shaped figure with pointed arms separated by scrolled branches of flowers and running decr. Rim incised with band of pointed-arch loopings with floral pendants. Diameter, 20 inches,



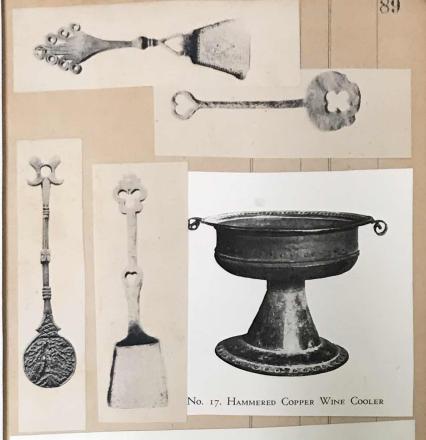
WROUGHT IRON STANDARD HOLDER (14TH CENTURY)





Paolo by Aliaori WROUGHT IRON TORCH OR STANDARD HOLDER PALAZZO STROZZI, FLORENCE

A singularly beautiful example of arought iron modeling, craftsmanship and composition. Although the bracket is reminiscent of similar matifs in stone and brone, it is decidedly arought iron in the profile of mouldings, the shallormess of dentits, and a norrowness in width, stompting it as excellent precedent. The leal marks on the lady's frontal vertebrae and the edges of her webbed usings are









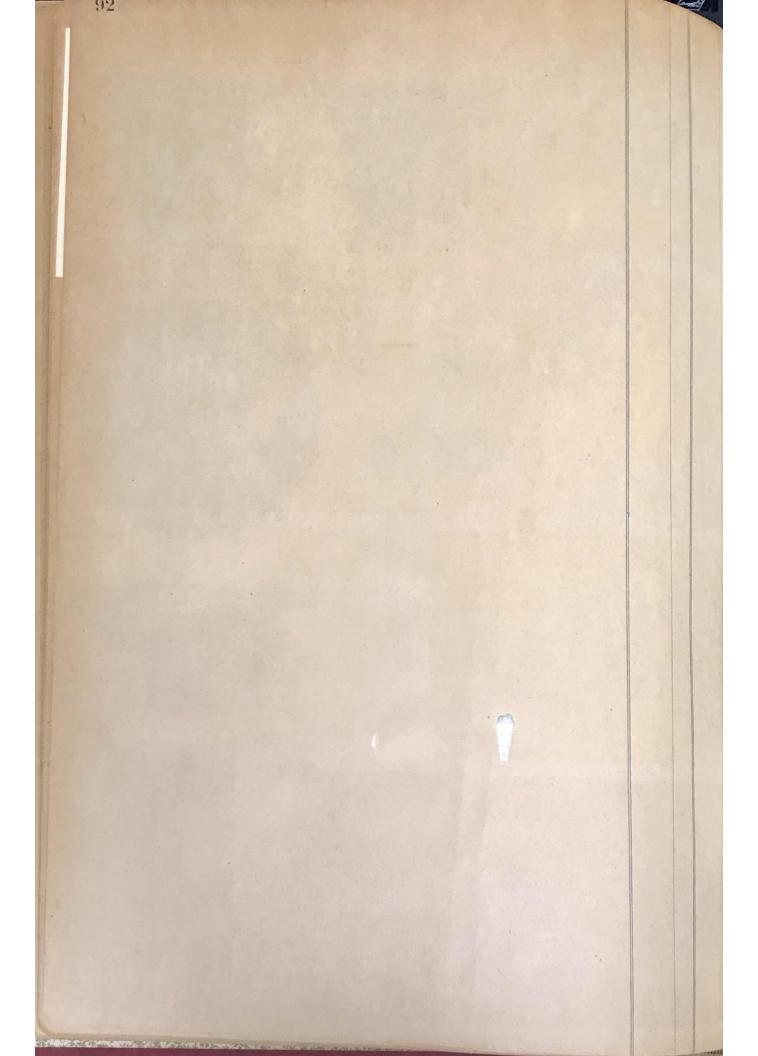


245—Florentine Bronze Mortar of the Sixteenth Century
Tapering cylindrical shape, with incurved sides and projecting tapering
and scrolled bracket handles modeled on top with couchant heraldic lions.
Sides decorated, in relief, with scrolled escutcheons, charged with the
arms of the Medici family quartered with another, and supported by
flying Amorini.

Height, 4 inches; diameter, 5 inches.









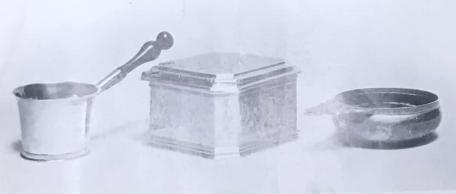


SHEFFIELD PLATE FROM MR. HORACE TOWNSEND'S COI CTION The large salver in the center is a very early specimen, not later than 1750; the soup t m is a character as a specimen, and the salver in the center is a very early specimen, not later than 1750; the soup t m is a character as a specimen of the salver in the center is a very early specimen, not later than 1750; the soup t m is a character as a specimen of the salver in the center is a very early specimen, not later than 1750; the soup t m is a character as a specimen of the salver in the center is a very early specimen, not later than 1750; the soup t m is a character as a specimen of the salver in the center is a very early specimen, not later than 1750; the soup t m is a character as a specimen of the salver in the center is a very early specimen.



4. SILVER-GILT VOTIVE RELIQUARY (Spanish, XVI Century)

TEAPOT (1759), TEA-KETTLE, AND CREAM-JUG (1706).



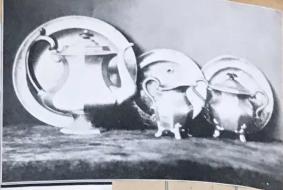
BRANDY KETTLE (1690) SILVER TOILET-BOX (1984), AND SURGEON'S BOWL (1705).



SPANISH CHALICE AND CIBORIUM (CIRCA 1780).



TANKARD MADE IN ENGLAND IN 1632

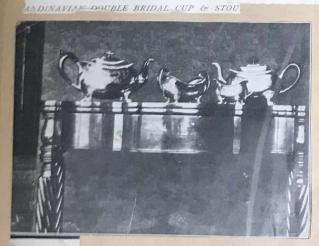


TEA-SET OF AMERICAN PEWTER





 $Fig.\ 9.\ Rijksmuseum,\ Amsterdam$ PEWTER FLAGON CONTRASTED WITH SILVER; BY G. W. HEDA



TTANNIA TEA-NET



THE COMMUNION PLATE



PLATE XVI.—AN OLD BREAD-BASKET.













STEEPLE-TOPPED, EGG-SHAPED CUPS, 1611



ABOVE IS A MODERN PEWTER TEA SET WHICH IS ATTRAC-TIVE AND DURABLE

FORTUNATE INDEED
IS THE CHILD WHOSE
FOOD IS SERVED ON
THIS ATTRACTIVE SET
OF PLATE, MUG, AND
PORRINGER

pewter has not been valued for the metal. wherein lies its appeal? Pewter was always made by craftsmen who loved their trade. Beauty of form and fine workmanship was their

standa are ev



THE MASSING OF PEWTER-MUGS AND TEAPORS







FROM THE COLLECTION OF MR. JAMES IVORY OF EDINBURGH ARE THE STAND AND THE TEAPOT. THEY ARE BOTH THE WORK OF COLIN McKenzie of 1718-19. THE ARMS ON THE TEAPOT ARE THOSE OF THE CUNNINGHAM FAMILY













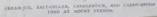
Guernsey Can Tea Set













SEVENTEENTH-GENTURY PORRINGERS AND GILT MUFFINEER



ANOTHER GROUP OF SHEFFIELD PLATE IN THE AUTHOR'S COLLECTION

The large tray is Victorian; the epergae or centerpiece is George IV, as is also the egg-cup holder; the entree dishes represent two prevalent types of which the square form is the more desirable. The toast-rack is a comparatively early piece







No. 16. GILDED FORGED IRON COFFRET







630-Walnut and Forged Iron Centre Table

Florentine, XVII Century

Massive octagonal top, supported on finely scrolled forged iron flaring tripod legs; strap-scrolled and enriched with central cusps and leaves having a crimson and gold tassel pendant under centre of table. Height, 31 inches; diameter, 35 inches.

(Illustrated)



658—Brass and Forged Iron Tapestry Fald Stool

Italian, Early XVII Cent

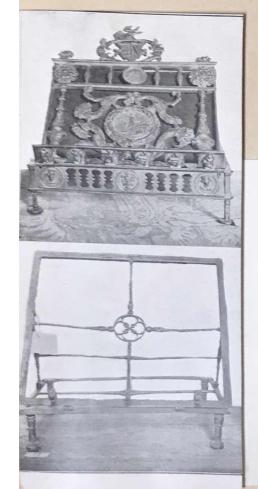
Oblong seat covered in Flemish tapestry of the period, deve Onlong sear covered in Fiemsin tapestry of the period, deve-ing flowers in mellow colors. Open balustered arms and s ports, terminating in nulled bosses of brass. Stellated fold curule legs with stretchers. The seat valanced on all sides rose-crimson velvet; trimmed with gold galloon and fringe.



475—Brass and Forged Iron Braziere Spanish, XVII Century Molded octagonal top of walnut; studded with exceptionally fine mushroom and open medallion brass handles. Brass basin sunk at centre, having two unusually fine bail handles. Supported on eight strap-scroll forged iron legs having two series of open connecting stretchers, each forming a panel bearing a scrolled rosette.











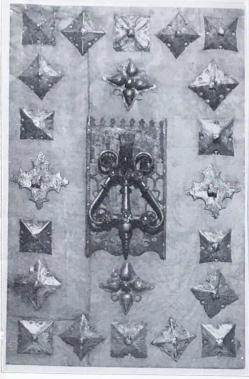














35

No. 350. TWO RED PANNEAUX, SPANISH. 16TH CENTURY

No. 545. TWO RED PANNEAUX SPANISH, 16th CENTURY









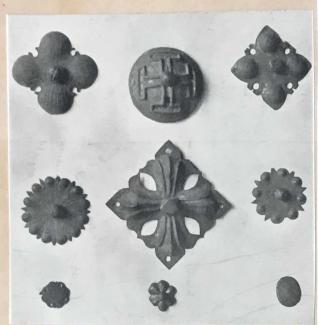


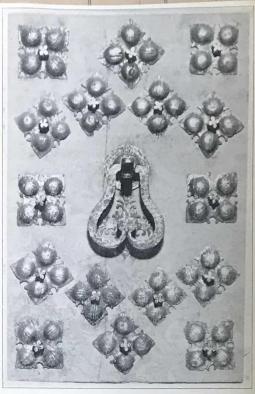
No. 168

168—Red Panneau. With a beautiful wrought iron knocker, Gothic, and 13 nails. Spanish, 15th Century.

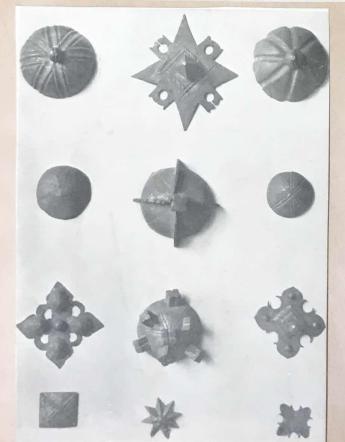


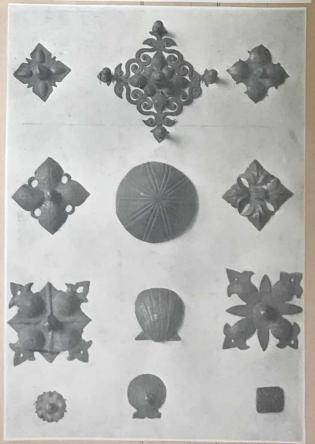
No. 317. RED PANNEAU, SPANISH, 16TH CENTURY



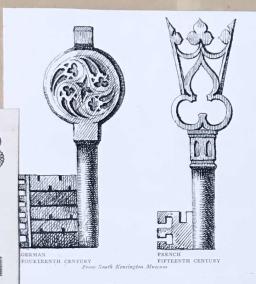


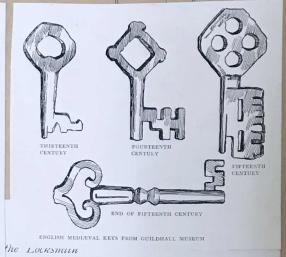
No. 703. TWO RED PANNEAUX, SPANISH 16TH CENTURY



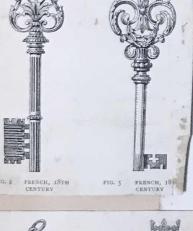


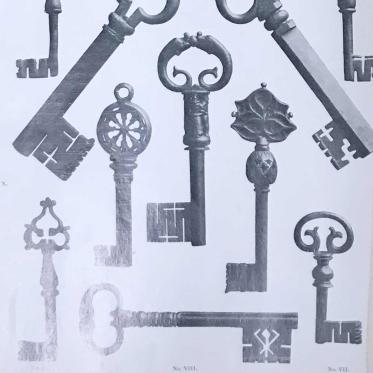










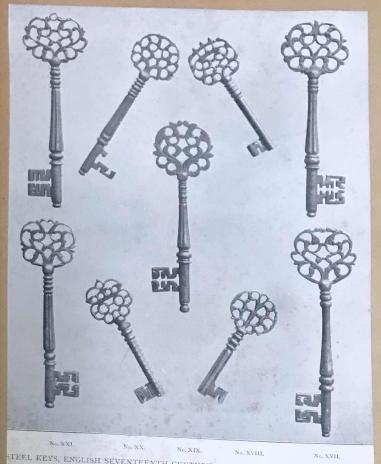






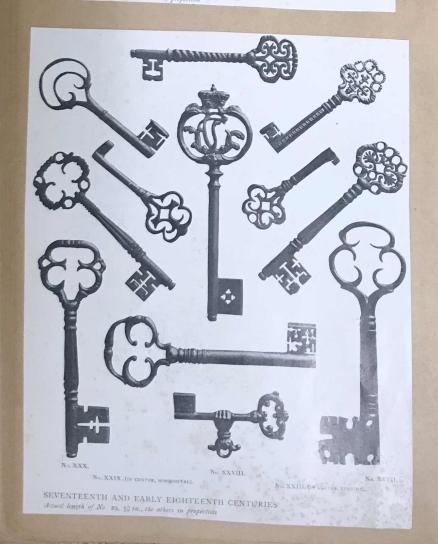






STEEL KEYS, ENGLISH SEVENTEENTH CENTURY

Extreme length of Xo. 17, 4½ in , the others in proportion

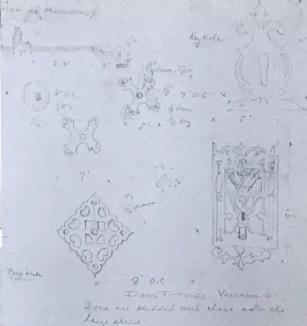




SIDE DOOR TO CHURCH, GOODHURST, ENGLAND

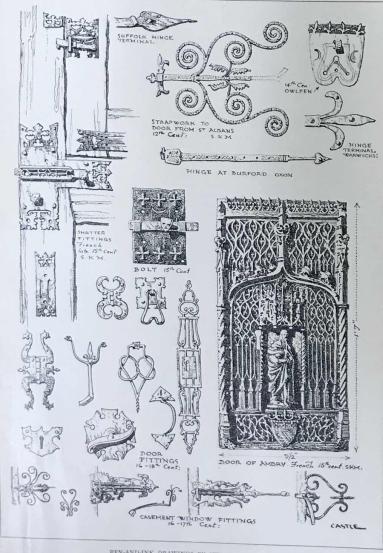












PEN-AND-INK DRAWINGS BY SYDNEY E. CASTLE Size of original sheet, 8½" x 11½"



60. WROUGHT IRON LOCK The frieze surrounding the lock shows a decoration of dra-

gon heads, scrolls and leafage; central plaque having at either side twisted columns, and exhibiting a nude figure holding a staff.

Height, 6½ inches; width, 8½ inches

Note: A lock of the same type is re-produced by Lüer: Die Metalkunst, Vol. 1, P. 77, fig. 56, and another by Giraud: Les Arts du Métal; pl. XVIII, fig. 1).

[Illustrated]

59. WROUGHT IRON LOCK French, Late XV C Finely decorated with tracery; archaic winged at the corners, each hole

symbolic object.

Height, 6 inches; width, 6!

Note: Locks of similar w manship are seen in the Cluny seum, Paris, and elsewhere. T was also one closely similar to above in the Spitzer Collection lustrated Catalogue, Vol. II, P. No. 1).

French, XVI C





boyant Gothic Knocker of Polished Iron

customer. Deny it as we may, we are a people still in the process of making, like alloy in the melting, and our art is a composite art. not yet so distinct that we can call it American. Until that time comes, if ever, we must receive the best that all the nations contribute, familiarize ourselves with what has been done before and adapt the whole to modern needs



Late Gothic Key with Early Renaissance Door Pull and Key



Handles from a Spanish Vargueño, and Two Perforated Escutcheons



Early Renaissance Knocker, rough but vigorous and imaginative

and uses. It has been so and will be so in such countries as ours, ever

Therefore, the great, the unusually inspiring work of the Spaniard should properly appeal to all students of art and even to all purely practical artisans, craftsmen, designers, makers, dealers, archi-



WROUGHT-IRON HINGES, DOUBLE DRAGON STYLE. PENNSYLVANIA GERMAN, 1710



ADDISON MIZNER



RAM'S-HORN HINGE. WROUGHT IRON GERMAN, FIFTEENTH-SEVENTEENTH CENTURIES



Renaissance Key Plate

tects and owners who would know what they are buying and why they buy it. They all will know then why it is worth designing, making, selling, buying and owning.

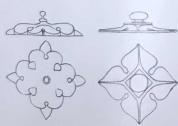
> RENAISSANCE-THE IRON AGE

THE beauty of the Moorish and Mudéjar examples, it is therefore well to appreciate and learn to know Both explain certain tendencies in later Spanish art, not so much in actual detail as



.....

Spanish Mission Choir Book with Brass Mounts of a Simplified Vargueño Type



Spanish Nail Heads



Renaissance Pull

in spirit and vigor. It is, however, in the Renaissance metal and especially in iron that the greatest glory of the Spanish smith is seen. No one with even a modicum of knowledge and enthusiasm can help admiring the superb craftsmanship as exhibited in the excellent collection of Spanish hardware at the Hispanic Museum, New York City. Such door knockers, such locks, such hinge and other hardware forms have rarely, if ever,



FIFTEENTH-SEVENTEENTH CENTURIES



FRENCH GOTHIC WROUGHT-IRON LOCK PLATE OF THE EARLY FOUR-TEENTH CENTURY

Rectangular shape, with molded frame. Divided into three vertical panels on either side, the outer ones and band at foot filled with Gothic tracery, the inner ones with figures of saints standing on wrought brackets under Gothic canopies, and with Gothic tracery below. The hinged center wrought with a figure of the Virgin holding the Child Christ under an elaborate pinnacled canopy flanked by Gothic buttresses with crocketed finials and with a panel below of an heraldic shield surmounted by a crown and charged with the coat-of-arms of the Orleans family (three fleurs-de-lis). Key with cylindrical barrel and circular handle pierced with Gothic rose tracery.

Height, 91/2 inches; width, 71/2 inches





Below—A Spanish wrought-iron reja of the type popular in the cen-tral part of Spain dur-ing the 13th and 19th Centuries. A part of Spain's architectural beauty has been achiev-





screens still survive in Salamanca, Avila, Toledo, Sevilla, Ubeda and other cities; old balconies also, with rings at either end which, like the kitchen freedors, used to hold barches

Beautiful wrought-iron as a decoration for a vargueño is shown here with an interesting pattern made from iron locks, plaques and shell nail-heads

THE HARDWARE ON YOUR FURNITURE

By WM. WINTHROP KENT

V. SPANISH

T HANKS to the introduction of Spanish styles into our early missions, of eat Southwest, American

esign has gradually depreciation of nfortunately, cial and atapt Spanish satisfactory comes to the rnament

that makers ented themnd informaback to the inspiration. anish design led, Spanish assed by in pention. But rapid dean-American e makers and atelligent in ing the real ch Spanishot, and the oday which vith the old sion, a real eloping, but space if the roughly inof Spanish s as the disall furni-

nish crafts-

eriod of the



Hispano-More of Polished than Mudéjar

Moorish occupation up to the best days of the Renaissance in Mainly Gothic, but suggesting Romanesque Survival Spain.

The work of

the Moors was singularly inspiring, although not

purely work of the smith, and was followed by a blending of the Moorish with Romanesque and Gothic into what is termed Mudéjar, often very beautiful and vigorous. This came after the reconquest of Spain from the Moors. A strong Romanesque style intro-

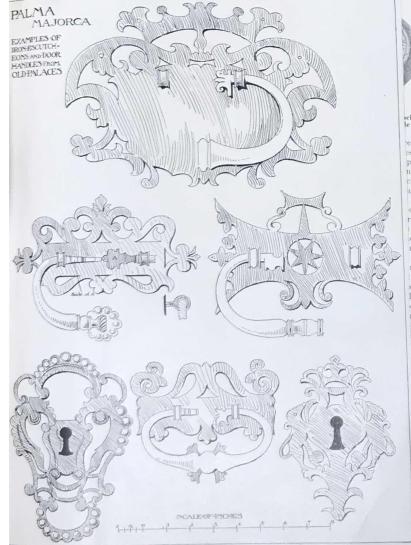
duced with Romanesque art from France is in evidence preceding the Gothic and, although not long widespread or important in metalwork, was prolonged in certain parts of Spain, beyond the period of its decline in other countries.



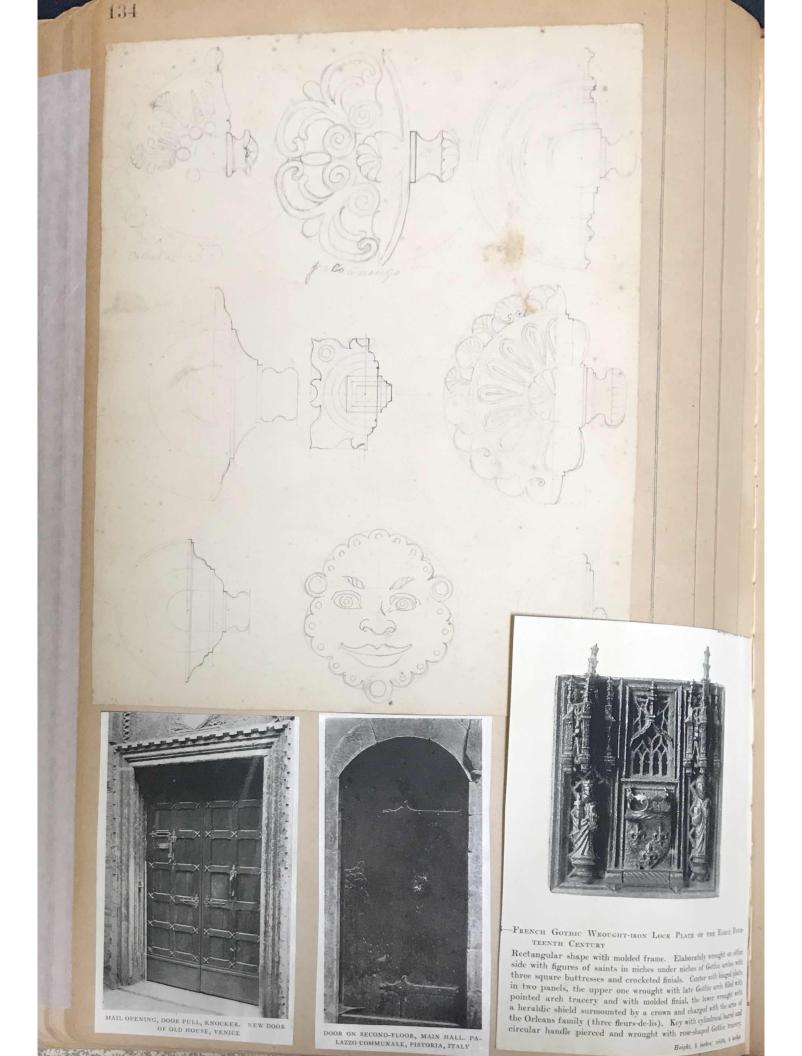
Forerunner of Iron Knocker shown above. Great Har-mony in Punch and Chisel Work on Plate and Ring

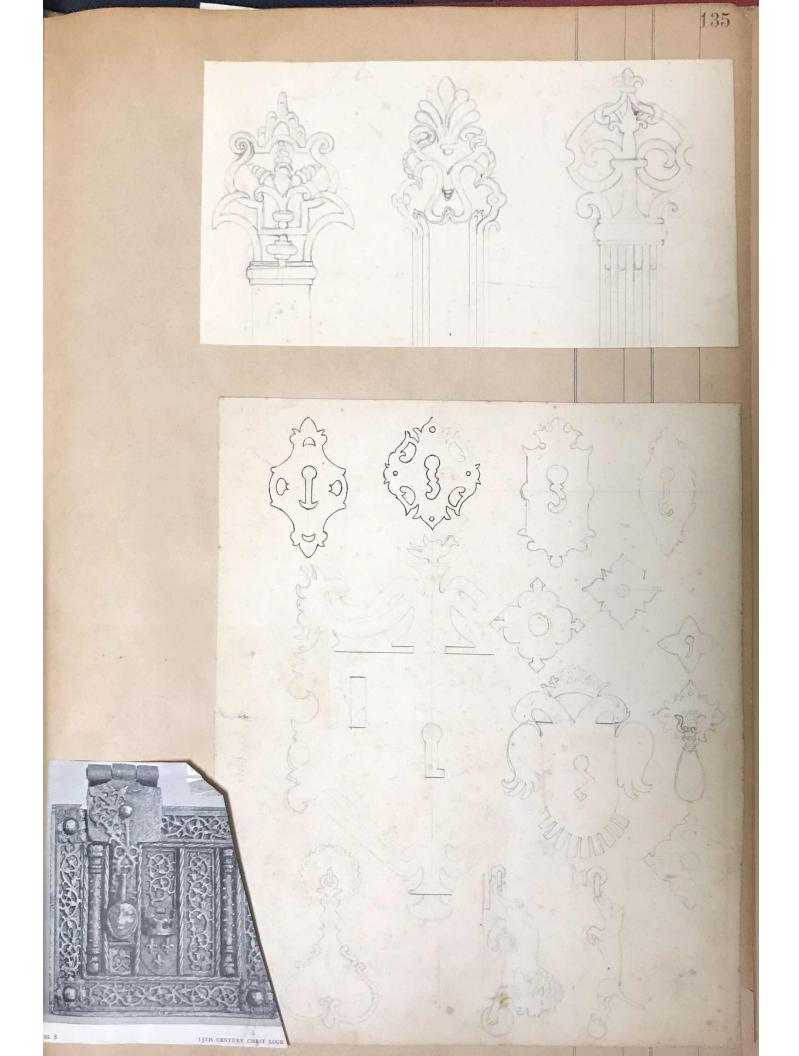
ORIENTAL GLAMOR IN REVIEWING in any good mu-METALWORK

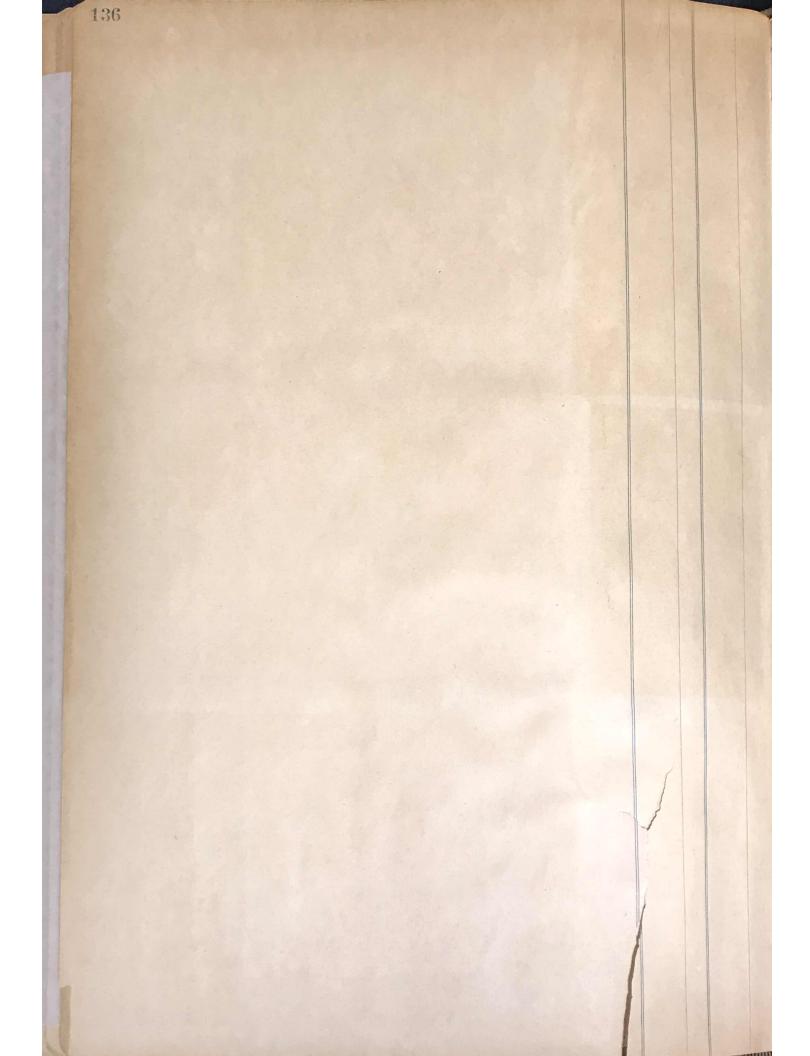
seum the examples of the different Spanish styles from Visigoth times to the Renaissance, it is evident that the impetus which the Moorish workmen gave to metal design and working is one of the causes, if not the greatest, of the fertility, vigor, delicacy and wide range which marks the history of Spanish art in metal. Of course, the Spanish temperament and skill in smelting and working counted for a great deal where its deep interest and romantic impulse, combined with the constant observation of the quick Spanish eye, made it possible to perpetuate, in a fascinating way, the Oriental tradition, the Oriental glamor which is always present in the best Spanish art. There is in it the dream of the Oriental, the bravery and adventurous quickness of the bull-fighter besides the knowledge of the trained man who has not



RENAISSANCE ARCHITECTURE AND ORNAMENT IN SPAIN A PLATE FROM THE WORK BY ANDREW N. PRENTICE











BELLS AND BELL TOWERS

Famous in History and Romance By CLINTON H. MENEELY

Son of the original Menesty, bell founder, who made bells nearly a hundred years ago; and descendant of the first bell makers in America



THE BELL OF MONSERRAT

This is one of the most interesting bells in the great collection of bells parts of the world and out of all centuries that has been gathered by Mr. Miller, at Riverside, California. The picturesque Mission inn at River veritable museum of bells. Mr. Miller became interested in bells in 180 churches, monasteries, missions, museums, and old houses in all quarte globe in search for odd, interesting and historic bells. As a result he has together at the Mission inn the finest and most important collection of being the department of the most independent of the most independent in the control of the most independent of the most





THE BELL OF FATHER DAMIEN

corner of one of the courts of Mission Inn. Riverside, Californi t interesting of all being the one in the center—cracked in sever take leper settlements of Molokai, Hawaiian Islands. This is Father Damien ministered for vera se heroically to the



ograph by A. E. Field

BELLS OF ALL KINDS

At the foot of the stairs in this part of the Mission Inn, we find many varied witnesses of Mr. Miller's enthusiasm ing bells. In sight are more than fifty bells besides several gongs, and they are examples of bell making from many quarter of the world

Veliki, and, following tradition, is rung but three times a year when all other bells are still. Hanging in the same tower are thirty or forty other bells, some of which weigh several tons. Russia is called "The Land of Bells." All over the vast domain, their thunderous voices are heard morning voices are heard morning and evening. Next to Russia, the largest bells are in China.

largest bells are in China. It is not an unusual sight to see tall towers broken down by the weight of bells suspended in them. The bells of China, aside from their size, are not to be compared with those of other countries. Their shape is not right for a good tone, and they are further muffled by being struck with wooden hammers. The most celebrated bell in China is the one at Pekin. Its weight is 120,000

Its weight is 120,000 pounds and its diameter is twelve feet. The Japanese make their bells in very much the same general shape as the Chinese.



THE GREAT BELL OF MOSCOW is the largest bell in the world, and was to the order of Empress Blisabeth of ia in 1733. It weighs about 490,000 ds, and the metal in it cost over \$300,000 addition to which a million dollars in

The great bells of Japan are sounded by striking the inner side with a heavy swinging beam of wood Many great bells are also to be found in India.

One of the largest bells ever hung is the one named "Maria Gloriosa," cast in Erfurt, Germany, in 1497.
Another "Gloriosa" bell hung in the fretted tower of Cologne Cathedral.

For hundreds of years the chimes of Belgian and Dutch church towers have rung for liberty. Peal ringing has been an established art since the seventeenth century. In the Lowlands it became a mark of prosperity to have a fine carillon in the lofty clock towers. As bell makers in Belgium and Holland became more proficient "campanology," or peal ringing, required makers in Belgium and Holland became more proficient "campanology," or peal ringing, required was added for the execution of chime melodies.

There is a well-known chime player, who presides over the keyboard of the great tower of St. Rombold, Malines, Belgium.



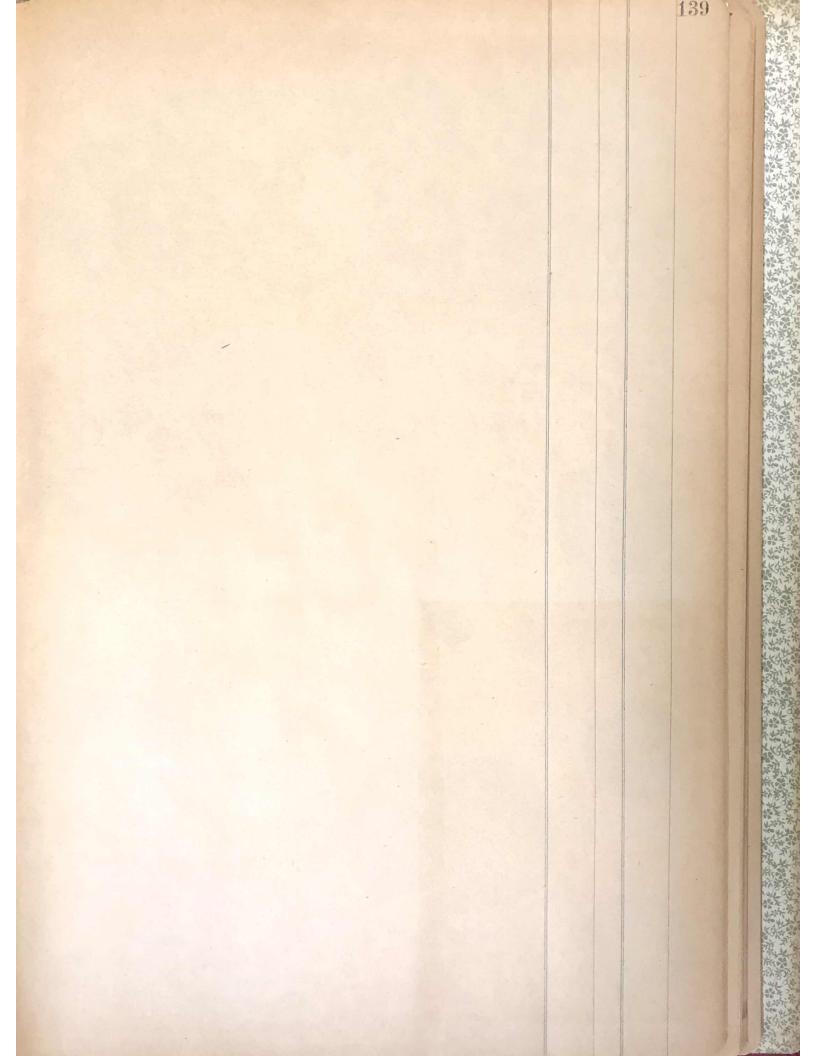
BELL MARKET, MOSCOW

been well named "The Land of Bells." Here is an open market-place where bells of various sizes are for sale

16



No. 321. Italian Renaissance Bronze and Wrought Iron Convent Bell









IS THE POURTEENTH'S WATCH BY JACQUES SORET

Some Antique Watches



LOUIS XVI GOLD RING WATCH, SET WITH DIAMONDS

be turned out or in turn spells ma limit the word cr sense the Amer an end to the cra ture. And though the popular choic display by far the the actual meanir handwork that we nevertheless, the i handedly we may a Bostonian hit u with the precision which the Gover then and there fat XVICENTURY CROSS WATCH Plagues spread ov as plentiful as huc as cannon balls. ... to fly in the sixtie: track of time che



THE American contribution to the craft of watchmaking was the device of interchangeable parts. This, of course,



IN ROCK CRYSTAL CASE SIGNED: ANTHOINE ARLAND FROM THE MARFELS COL-LECTION, BERLIN



BY ESTIENNE HUBERT, 1555-1620 COLLECTION HENRY M. NEY, UTICA, N. Y.

and everywhere in the field, a business that had already failed spi

Before those d make watches w bought from ove the fashion of th to a pattern pecu the very conditi sought to correc that the only w are



ng lf,

ck

in Bernn, from which group, reduced by a rigid and discriminating selection



STRIKING AND ALARM TRAVELLING WATCH BY JOSEPH MARTINEAU, SR., LONDON, 1750 COLLECTION OF FREDERICK T. PROCTOR, UTICA, N. Y.





GERMAN TABLE CLOCK, SOUTH KENEINGTON MUSEUM. ABOUT 1500-1570



REPEATER WITH WHITE ENAMEL DIAL BY GEORGE PRIOR, LONDON, 1760 COLLECTION OF FREDERICK T. PROCTOR, UTICA, N. Y.

Puritans in their distaste for ostentation. At any rate it was probably a century after the mainspring was invented before pockets became the rule. Ladies continued to include their timepieces among the other appendages of their chatelaines until the later part of the seventeenth century. Oliver Cromwell



GOLD ENAMEL, STUDDED WITH DIAMONDS SIGNED: J. PERIGAL, LONDON FROM THE MARFELS COLLECTION,





Brass Lanteen Clock. 8% Inches High In Bertish Museum. About 1680



SUN AND MOON WATCH COLLECTION HENRY M. NEY, UTICA, N. Y.



PEARLS (ABOUT 1790) FROM THE MARFELS COLLECTION, BERLIN



TORAL CROSS WATCH, XVIII CENTURY BABLY BELONGED TO CARDINAL ANTOINELLI

d a pocket watch with a fob that has come down

It was not the mere size of the watches that oper-d to delay the Puritan fashion. It is a common ion that the modern watch has been evolved, it were, from the "grandfather clock," shrinking h by inch to its present reduction. But very all instruments were contrived soon after watchking had gained a foothold. When once the nciple of the mainspring had been come upon, the blem that puzzled the clock-maker was how to blem that puzzled the clock-maker was now to urd the rate of the unwinding so as to avoid teady lessening of the force. Various forms of ictional brake, and the fusee devices for taking resistance by a cord coming from a conical oved spool that gave the spring a leverage that w better as its power grew less-these experihts in the movement were what troubled the ker and kept each at work perfecting his own ns. But the actual size of the watch was in no dependent upon such considerations. In some tances watches were made smaller than can be dily found to-day. The distinguishing trait in nt of size of the older watch is perhaps its thicks, and this it may not be too much to say was siderably due to the fact that no great effort made toward thinness. When a watch was

AS PENDANTS
FROM THE MARFELS COLLECTION BERLIN



COLLECTION OF THOMAS R. PROCES

Some remarkable small movements were mad for the pectoral cross watches. An interesting decorated specimen will be noted herewith from the



GOLD ENAMEL REPEATER OF EXTRAORDINARY SIGNED: ILBERY, LONDON (ABOUT 1790) OM THE WARFELS COLLECTION



GOLD ENAMELLED CASE, SET WITH DIAMONDS FROM THE MARFELS COLLECTION, BERLIN





GOLD ENAMEL WATCH IN TRANSLUCENT ENAMEL CASE, STUDDED WITH PEARLS (ABOUT 1790) FROM THE MARFELS COLLECTION, BERLIN

EARLY ARTISTIC WATCHES

By George Frederick Kunz

Illustrated from photographs of watches in the Marfels collection, now in the possession of Tiffany & Co.

The year 900 after Christ may be taken as about the time when clocks with wheel-works (the power

the time when clocks with wheel-works (the power being given by hanging weights) were first made. All such clocks, however, had a permanent place, the most of them being tower-clocks. Later on, indeed, smaller clocks were made, which could be removed from place to place, but it was not un-til the beginning of the sixteenth century that an be removed from place to place, but it was not until the beginning of the sixteenth century that an ingenious locksmith of Nuremberg constructed a portable watch, made entirely of iron. It was long supposed that the so-called "Nuremberg eggs" were of earlier date. It is true that pieces of jewwere of earner date. It is true that pieces of jew-elry in the form of an egg were made in Nurem-berg some centuries before; but the egg-shaped cases which contained works for measuring time were not made until the middle of the sixteenth century, and they were then designated as "Nuremberg live eggs" (Figs. 1, 4, 5). The first portable watches were intended to be carried in the saddlebag (Figs,



ENGRAVED No. 15 10%" 818.00



CAST No. 16 12"x14" \$37.50



ENGRAVED No. 19 14" \$28.00



ENGRAVED No. 21 13%" \$18.00

BRASS SUNDIALS



CAST 64. 1 13½" \$16.50



CAST No. 2 13" \$16.50



CAST No. 3 9%" \$13.50



CAST No. 4 12%4" \$16.50



CAST No. 5 8%" \$7.50



CAST No. 6 12½" \$18.00



ENGRAVED No. 9 14" \$22.00



ENGRAVED
No. 12 12" \$20.00



ENGRAVED No. 15 10%" \$18.0



CAST No. 16 12"114" \$37.00



ENGRAVED No. 10 10° \$28.00



ENGRAVED
No. 21 13%* \$18.00





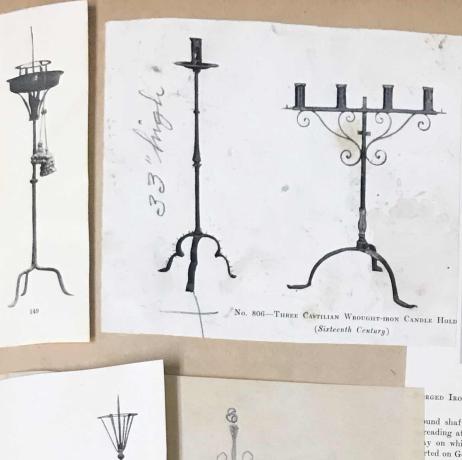


ENGRAVED









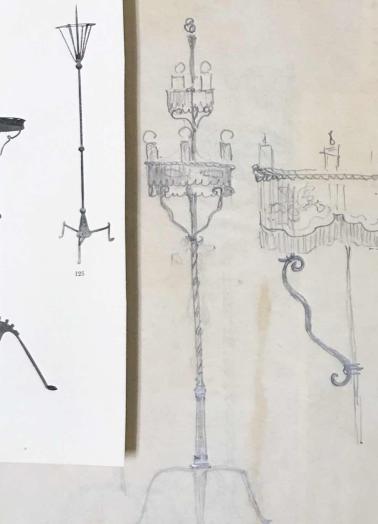


OVER



Florentine, XVII Century and shaft, balustered and cusped with leaves about centre, reading at crown into scroll-brackets supporting a transverse by on which is set three scrolled sockets for candles. Supplied on Gothic arched tripod legs.

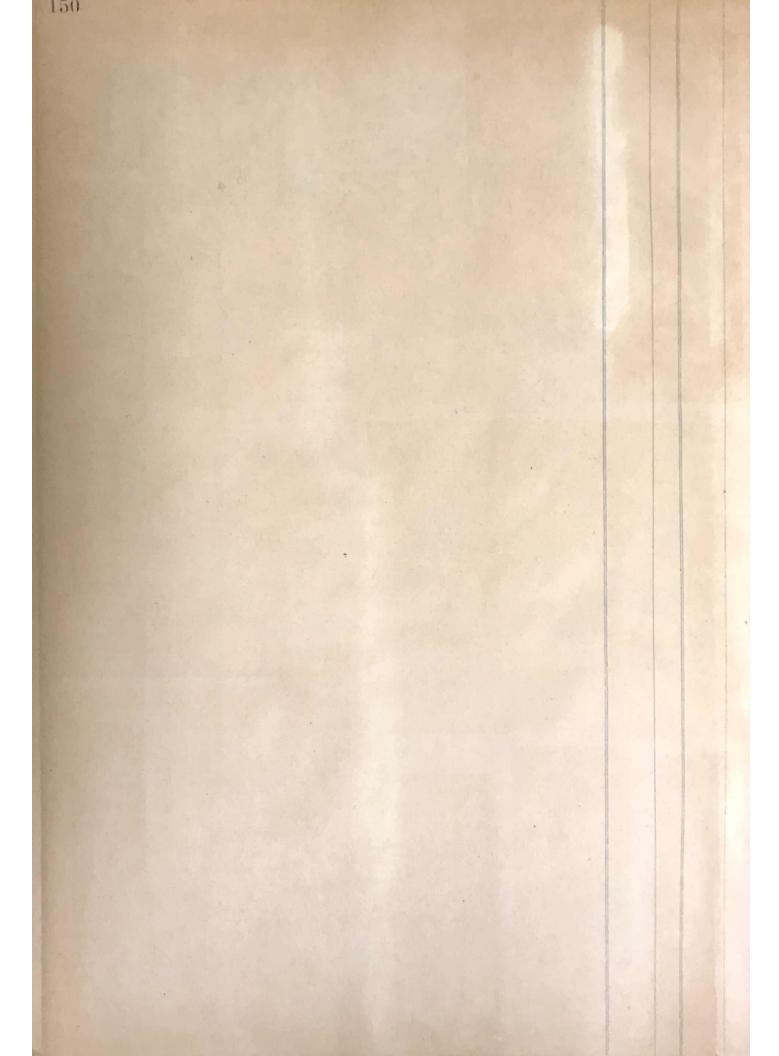
Height, 68 inches; width, 32 inches.



EVERGLADES ROD & GUN CLUB



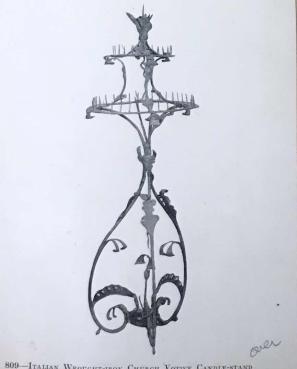
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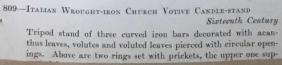




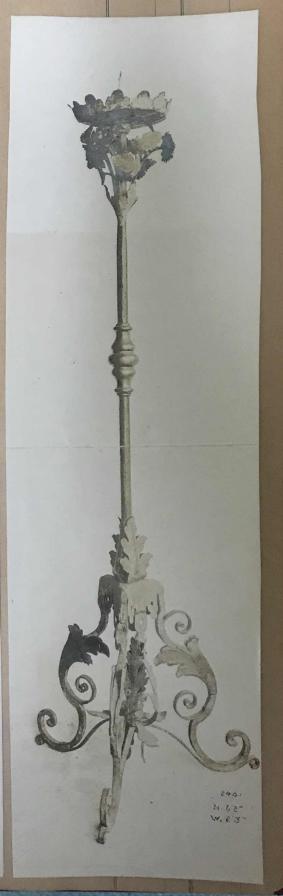


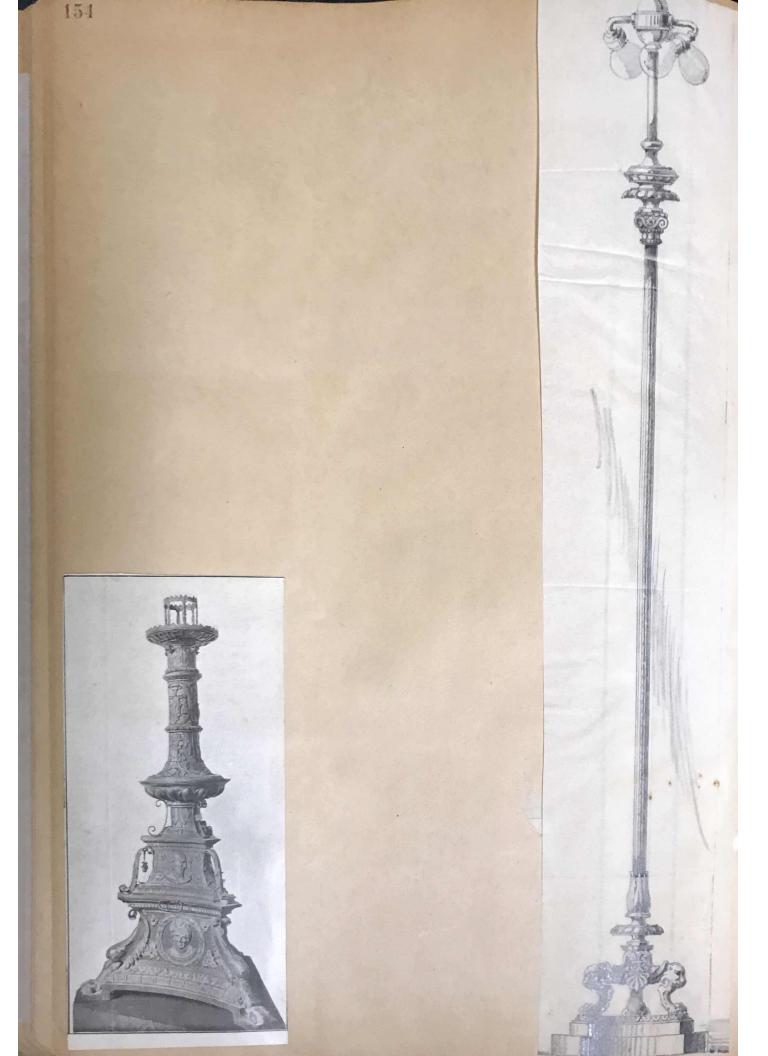
























853









AN OLD TUSCAN TOILET TABLE BETWEEN TWO VENETIAN PROCESSIONAL LAMPS; AN UNUSUAL COMBINATION BUT MOST ATTRACTIVE IN SPITE OF A CERTAIN INCONGRUITY



Pair Italian Bronze Torcheres With Marble Bases. Height, 5 ft. 6 in.





CANDLESTICKS—RUSSIAN, JEWISH, AND DUTCH











Quiet and harmonious is this lamp of deep cream, gray-blue, and chocolate brown, in which the silk of the shade takes its pattern from the base of soft-hund, Dutch pottery



Adam designs in white decorate a Wedgwood base and a silk shade of the delicate green used by the Adam brothers.
White and silver outline the panels



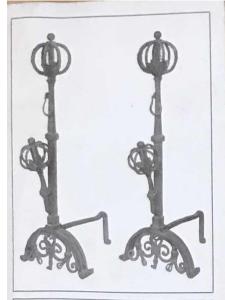












Pair Old Florentine Andirons Height, 30 ins.



Catalogue No. 381



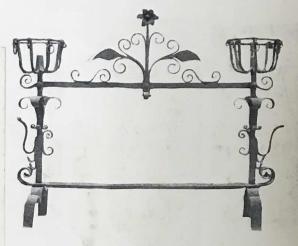
Old Italian Wrought Iron Andirons.



Typical Catalan andirons of the 15th Century Spanish wrought-iron



Pair Old Florentine Andirons



0-Florentine Wrought-iron Fire-screen of the Sixteenth Century Straight square bar-iron standards, with baskets of twisted iron bars and swinging rings of twisted iron. Stems decorated with voluted leaves and straps and with twisted iron hooks. Horizontal square upper bar, with voluted scrolls and wrought-iron flower and leaves as finial, flat voluted lower bar and trefoil curved feet of strap iron.

Height, 361/2 inches; width, 49 inches.



Pair Old Florentine Andirons Wrought Iron. Height, 37 ins.











-Two Brass and Forged Iron Andirons

Tuscan Fifteenth Century

Upper shaft, expanding and faceted; balustered above square lower shaft, having balustered frontal hook terminating in a brass ball smaller than that surmounting shaft. On chiseled arched strap legs with central fleur-de-lis scrollings. 80

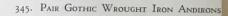
Height, 241/2 inches.



They are printed in the forepart of the Catalogue.



239—Two Brass and Forged Iron Andirons over Tuscan Early Fifteenth Cen Interesting expanding shaft, scrolled with long chiseled artic leaves on three sides; three rear hooks for spit. Brass ball minal. On arch-scrolled legs having frontal leaf valance.





Quadrangular upright of four clustered members looped over at the top and terminating in a fleur-de-lys; frontal hook with pendent ring. Arched strapped base. Height, 221/2 inches

[See illustration]

Catalogue No. 345

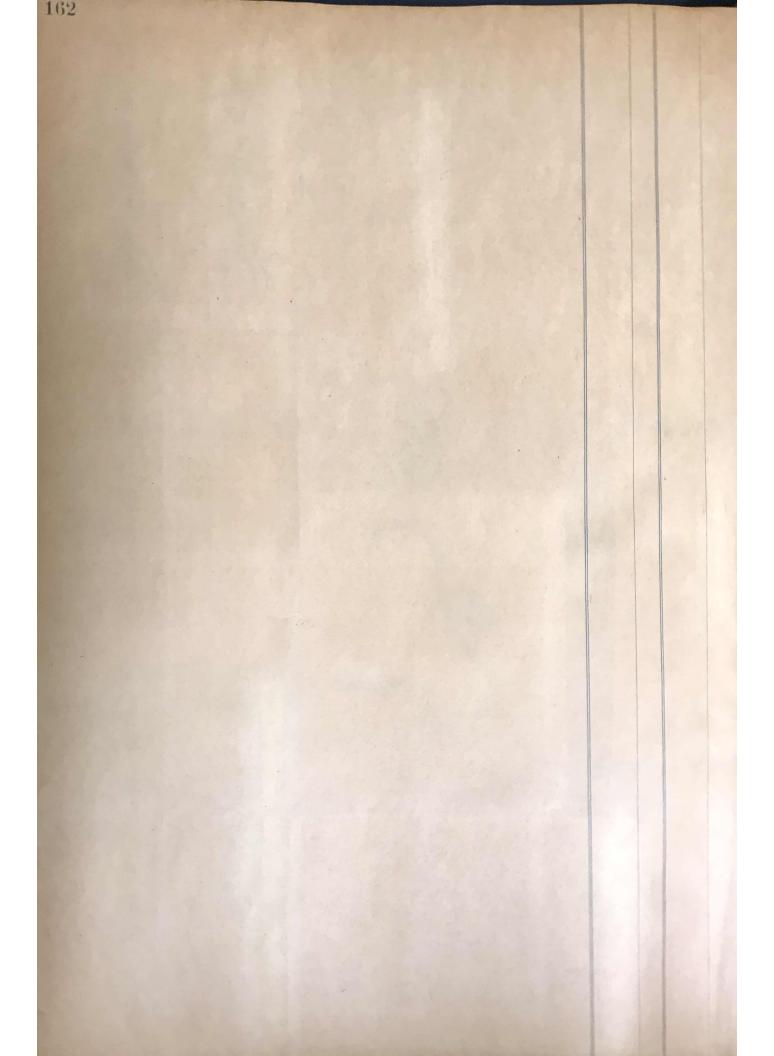


No. 854. TWO VERY RARE WROUGHT IRON ANDIRONS

854-Two Very Rare Wrought Iron Andirons. Spanish, 15th Century. Height, 3 feet 1 inch

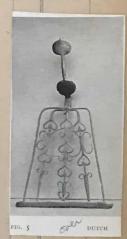










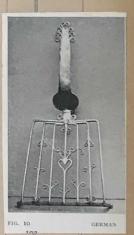












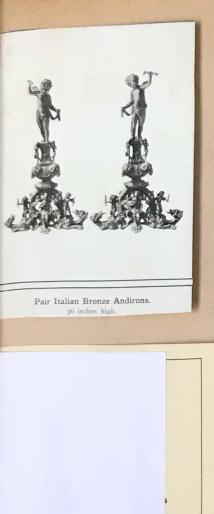


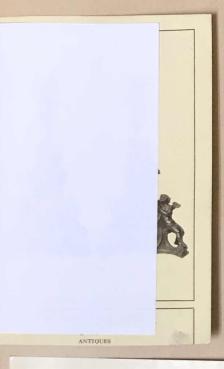






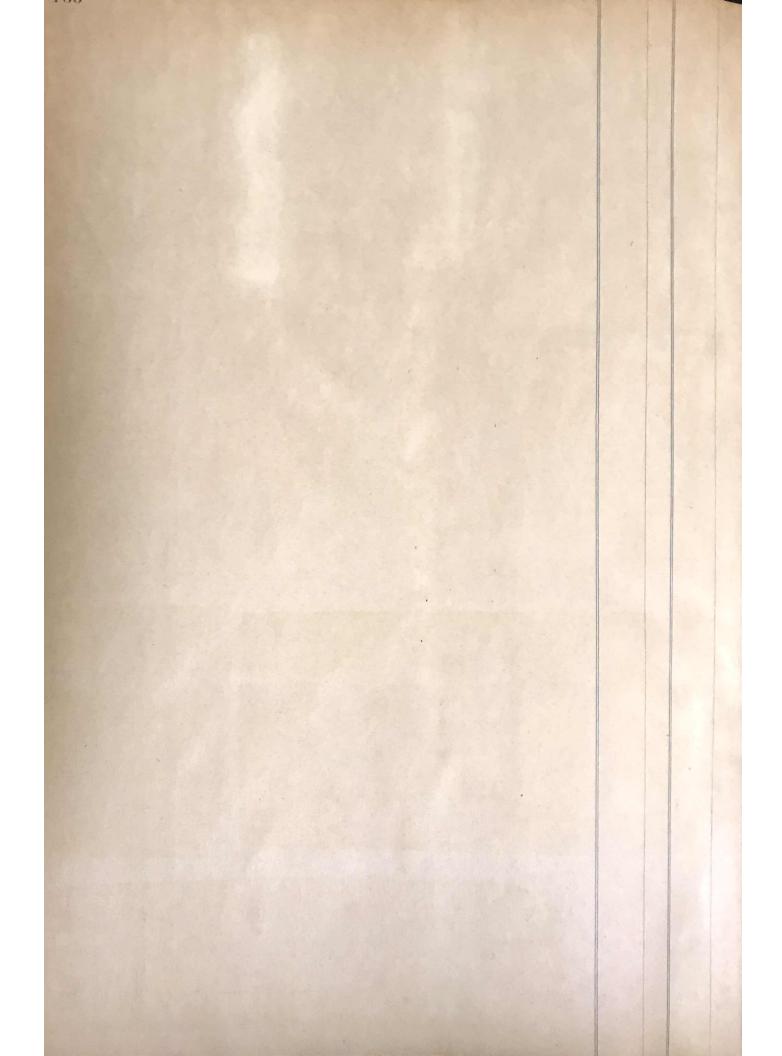
















EMBOSSED AND FORGED







PAIR OF BRONZE BUSTS



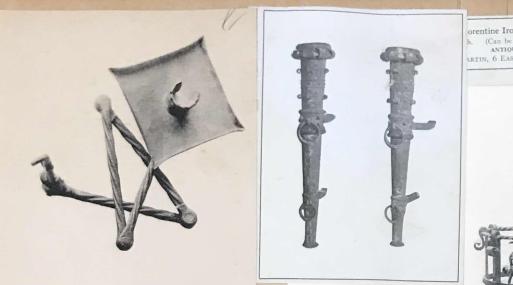








are part of a very interesting and valuable collection belonging to Mr. R. H. Burnham, of Ipswich, Mass. They were used in the homes of the moderately well-to-do, and are typical of the varying degrees of ornamentation



orentine Iron Torch Holders h. (Can be fitted for Electric Light)
ANTIQUES
ARTIN, 6 EAST 30TH ST., NEW YORK



Triangular brackets, formed of twisted iron bars with braces formed of twisted rods terminating in serpents' heads. Cylindrical baskets formed of eight voluted iron straps with horizontal twisted iron bars and straps. In the centers are twisted iron prickets and below are curved hooks of iron bars.

From a Palace in Siena.

Length, 26 inches.





-Chiseled Forged Iron Wall Bracket
Florentine, XV Century

Pierced and scrolled cartouche back, with bracketed arm having finely chiseled ram's head, long scrolled neck with double wings and leaf-scrolled terminals; the ram's head supports on a cushion a gadrooned urn developing coroneted bobêche and long pricket.

Length, 391/2 inches





-Venetian Wrought-iron Wall Jardinière of the Sixteenth Century

Bracket with two hooks for adjustment. Cornucopia-shaped body of strap iron with voluted ends, scrolled bracket of strap iron and annular rim. This encloses a vessel of metal painted, in colors, with a pattern, on a white ground, of a trellis entwined with flowers and leaves. In front hangs an iron grapple having three curved arms with heart-shaped terminations.

Height, 371/2 inches.



WROUGHT-IRON WALL LIGHT BRACKET OF THE FIFTEENTH CENTURY Arm formed of a tapering square iron bar with voluted scrollings of strap iron and pointed leaves. Cylindrical basket, having open sides of strap iron with pointed-leaf terminations, pointed-leaf pear-shaped pendant and pointed pricket. With hook for adjustment.

Length, 25 inches.













678—Old Wrought Iron Lustre. Spanish, 16th Century. Height, 2 feet 4 inches

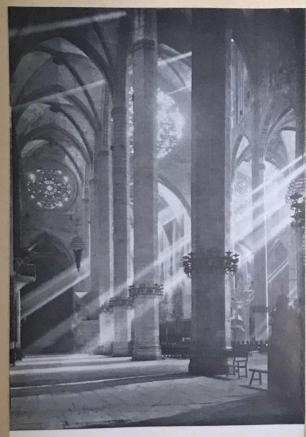


-Two Forged Iron Swinging Lanterns

Tuscan Sixteenth Century Hexagonal paneled body; with outcurving spear-shaped motives at crown and cusped dome. Having sprays of flowers. Supported on shaped bracket having spiraled top bar and tendrils and leaves in scrollings. Oval cartouched open back, with "Tower" and "Pierced Heart," symbolic of strength and devotion. 500

Height, 47 inches; extension, 46% inches.





Courtery E.A. Cran

PALMA CATHEDRAL



Flemish, Late XV Century III. GOTHIC BRASS CHANDELIER From a pierced baluster-shaped stem branch out two tiers of scrolled arms ornamented with sea horses, their legs terminating in scrolls and leafage, each tier containing eight. In the upper part is a square lantern with pierced lattice design, surmounted by two birds. Height, 3 feet 1 inch

Note: This chandelier, of fine workmanship, is of the type mostly met with in Flanders. One of a somewhat similar type was formerly in the Emile Gavet Collection, Paris (Sale Catalogue, 1897, pl. XXXIX).

[Illustrated]



OVER

109. GOTHIC BRASS CHANDELIER Flemish, XV Century The chandelier, of fine workmanship, is entirely executed in ajouré tracery of quatrefoils, fleurs-de-lys and other Gothic decorative motives. The centre is formed by a vase suspended from three chains, from the base of which branch out four curved arms supporting small vasiform candle-sockets.

Height, 2 feet 9 inches

Note: A most interesting and important specimen of its kind.



PALMA CATHEDRAL



THE DAVANZATI PALACE FORGED IRON CHANDELIER
Florentine Sixteenth Century



FLORENTINE WROUGHT-IRON CHANDELIER OF THE FIFTEENTH CENTURY Circular shape. Sides with scrolled leaves and cross. Four candle-sockets, separated by four pointed prickets. Iron chains for suspension. (Rare.)

Diameter, 22 inches.



178—Florentine Wrought-Iron Chandelier of the Fifteenth Century Circular shape. Sides with scrolled leaves and stalks. Seven candle-sockets, separated by seven pointed prickets. Wrought-iron chains for suspension. (Rare.)

Diameter, 34 inches.





No 639, OLD WROUGHT IRON LANTERN SPANISH 1718 CENTURY



[See illustration]



311. PAIR SPANISH TOLE CHURCH LANERNS Octagonal balustraded body; domed reticulated top; leaved foot.

Height, 21 inches

[See illustration]

312. PAIR SPANISH TOLE HANGING LANTERNS Hexagonal glazed body; domed top rosetted at the corners, surmounted by a leaved coronet with lily finial.

Height, 19 inches



Quadrangular body, chamfered at the corners; polygonal dome top, surmounted by a leaved coronet; leaved foot. The whole reticulated with a symmetrical Hispano-Moresque design.

Height, 26 inches





No. 885. TIN AND GLASS LANTERN SPANISH, 17th CENTURY







SKETCH OF VARIOUS METAL HANGING LAMPS FROM ANDALUSIA



535. PAIR SPANISH TOLE CATHEDRAL LANTERNS
Of architectural contour, with quadrangular glazed body, surmounted by four pinnacles at the corners; with arcaded dome superstructure; strap-scrolled foot.

Height, 31 inches



No. 156. TIN AND GLASS LANTERN SPANISH, 17th CENTURY



7936



No. 887. TIN AND GLASS LANTERN SPANISH, 1811 CENTURY OVER



No. 615. TIN AND GLASS LANTERN SPANISH, 17th CENTURY



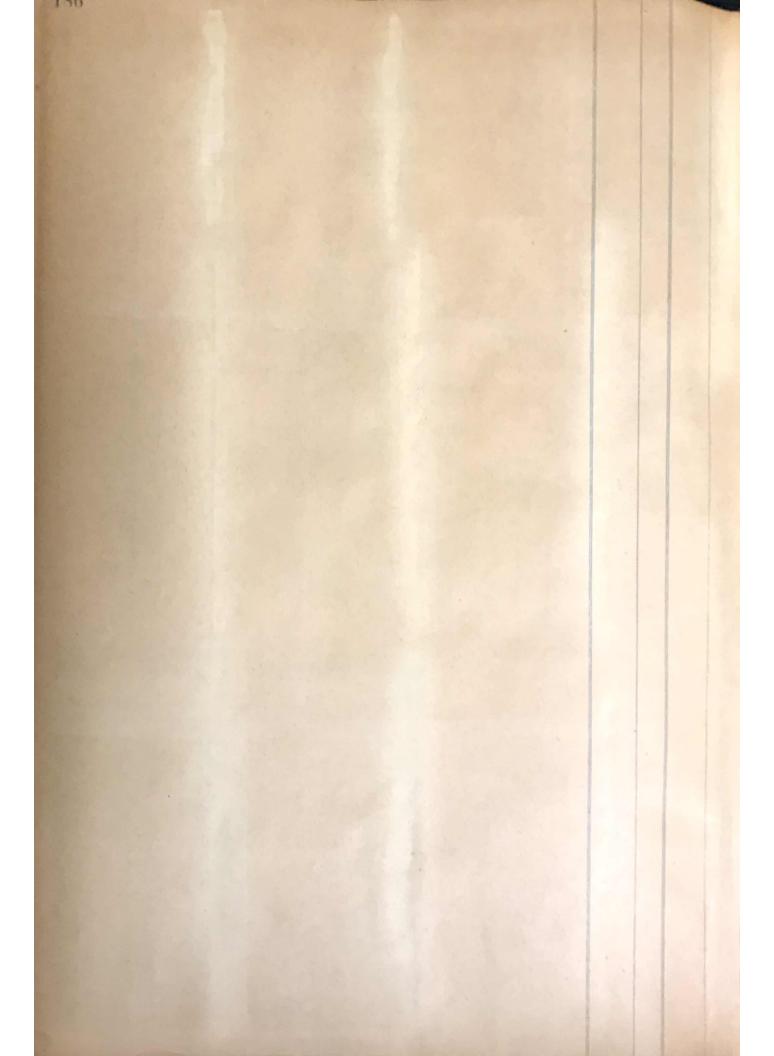




653. TWO TIN AND GLASS LANTERNS SPANISH, 17th CENTURY



No. 891. SIX TIN AND GLASS LANTERNS SPANISH, 18th CENTURY





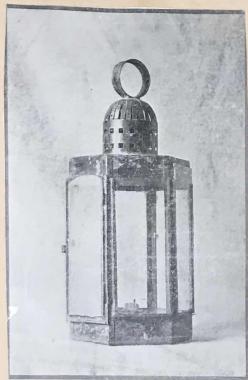


Hall Lantern, 1770



Hand Lantern, 1780





Hall Lantern. Date, 1798



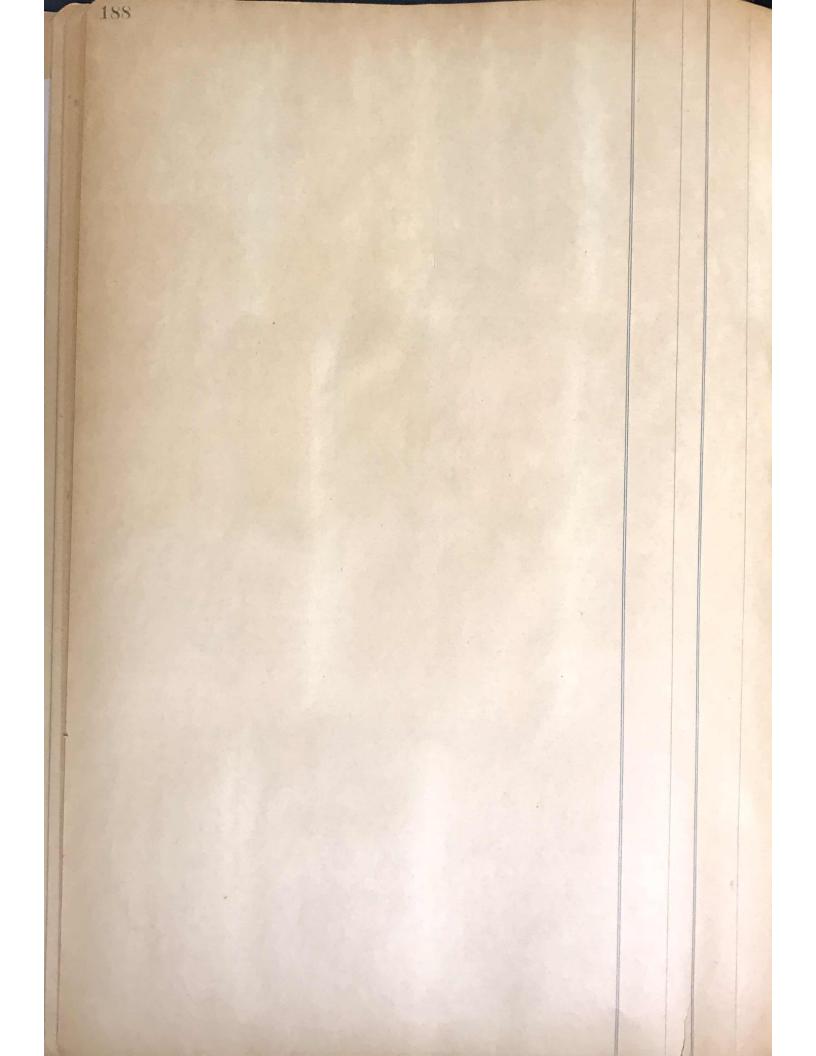
Ship Lantern. Date, about 1700

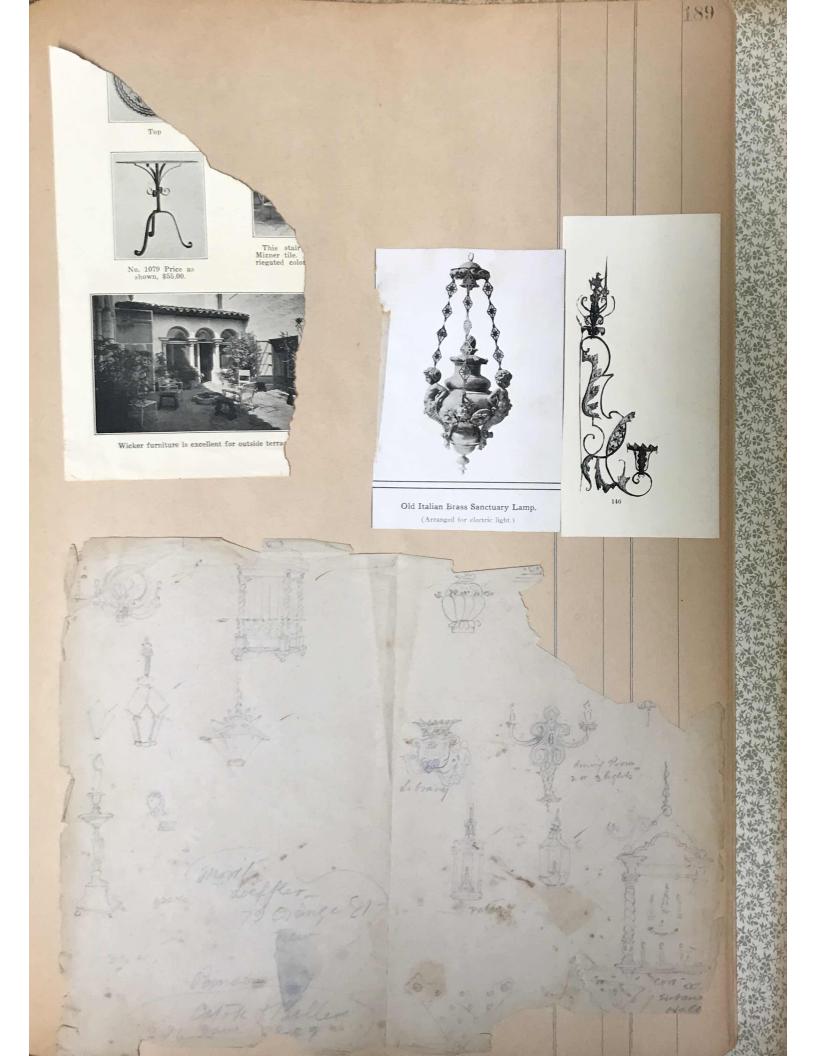


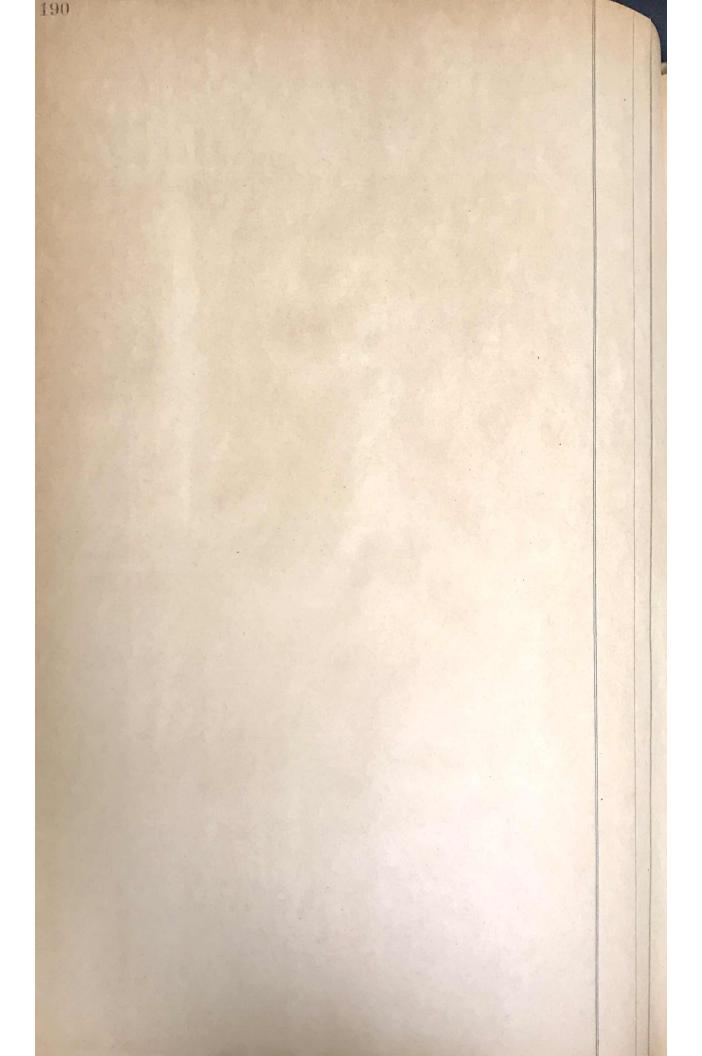
Watchman's Lantern, 1720



Hand Lantern, 1800











WROUGHT IRON CANDELABRUM, ON CARVED

AND GILDED BASE

Venetian, XVII Century

Serpentine mounting and scrolled branches of flowers supporting prickets with gilded wooden bobêches; in Renaissance trilateral voluted base, gilded and ornamented with polychromed cherub-heads.

Height, 46 inches

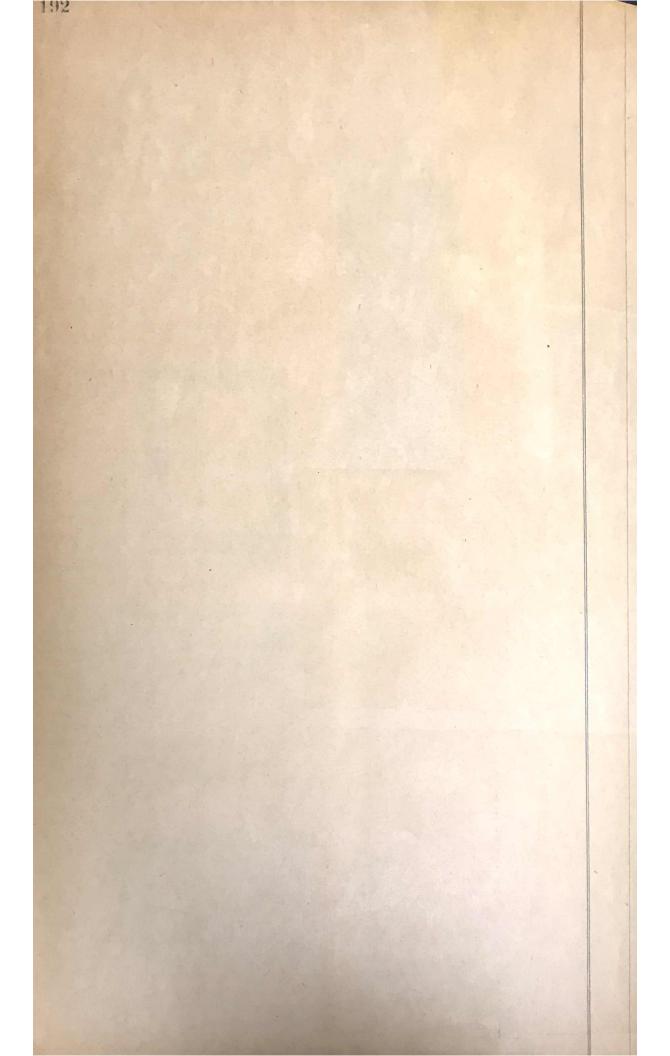


86/228—Louis XV Appliques With Saxe flowers, two light, \$350, the Pr.



86/229—Louis XV Appliques
With Saxe flowers, two light.
\$300. the Pr.

OVER





This splendid example of a Louis XIV type chandelier is exquisitely carved in wood. It is from Bagués Inc.

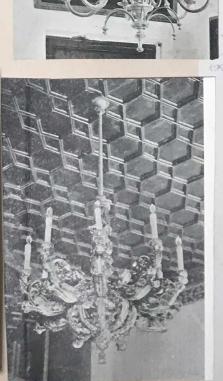


Brass Hanging Chandelier Flemish, Late XVI Gentury From a baluster stem branch three diminishing tiers of scrolled supports fitted with bobêches, each row containing six. Between each two arms are, in the lower tier, ajourés rosaces, and in the central one, scrolls terminating in bird heads. Crowned eagle finial.

Height, 3 feet 6 inches

Note: Chandeliers of this kind can be seen in the church at Bouvignes and elsewhere.







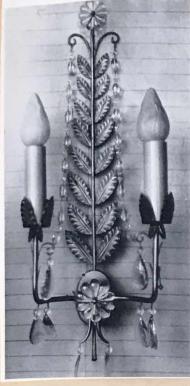
carved leaves and Rococo swirls. Through its use they became very natural in appearance. And these are the types of fixtures often brought out today where the Louis XV style is desired. Flower sprays, leaves and stems combined with crystal drops and porcelain flowers were the vogue during this period, and some delightful interpretations of these designs are being developed today. Dainty and inexpressibly feminine, they are very good for powder rooms, boudoirs, dressing rooms, music rooms and formal reception rooms. In fact, some of the modern designs slightly bolder in feeling, are appropriate for sun porches also. Lustres, or crystal chandeliers, were also made originally with the frame completely covered with glass beads, glass tubes and glass garlands. The center stem was built up with vase forms, usually of glass, and glass pyramids and spikes were set in here and there to give play to the outline. The large cut glass pendants hanging all over the fixture were usually in the shape of leaves. Ribbon bow-knots and flower petals and buds were also seen in every imaginable metal.

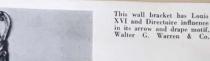




A charming Directoire fixture. The bowl is opaque glass with Grecian figures etched on it, Courtesy of Bagués Inc.

A fine Louis XV feeling is achieved in this charming two-light wall bracket made by Walter G. Warren & Co.







In this dignified and simple wall bracket from Kantack & Co., the motifs of crossed arrows and horns are used



over

A particularly excellent example of Empire chandelier. Note the many classic devices in bronze. From Bagués Inc.

everything,—furniture, textiles and metal work. The twisted serpent became common. The sphinx and eagle, though used during the preceding period, were retained, as well as the arrow and acanthus, the symmetrical and graceful urn, trumpets and cupids. Slender proportions and delicate handling are typical of the Directoire period, and the classic bandings used were almost fastidious in their refinement. Egyptian motifs were also introduced, and after Napoleon's Egyptian campaign they became much more widely used. Napoleon favored the pomp and glory of ancient Rome, and he surrounded himself with the classic designs of that time. He loved pomp and show, and the Empire designs which followed close upon the Directoire became more and more heavily ornamented with brass mounts and columns. The winged griffin, the outspread wings and flying disk,—so common in Egyptian art,—cornucopias, lyres, acanthus leaves, flaming







GIRANDOLE FROM THE ROTHSCHILD COLLECTION









GIRANDOLES





86/230—Fine Pair of Large Louis XIV Girandoles
Original ormolu frame, hung with heavy pear-shaped crystals and rosettes, some modern. Height, 3 feet. \$1,200. Pr.
Z/973—Pair of Waterford Girandoles
Two lights, heavy square feet, pyramidal standards and finials, chains of prisms, height, 22 inches. \$500. Pr.





2/372—Pair of Waterford Girandoles
Two light, heavy square feet, pyramidal standards, and finials, chains of prisms, height, 22\frac{3}{4} inches. \$600. Pr.
2/374—Pair of Fine Waterford Girandoles
Two light, height, 17\frac{1}{2} inches. \$850. Pr.









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